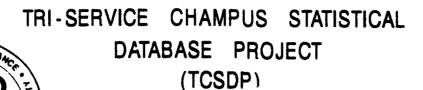


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CLASSIFICATION OF CHAMPUS PROFESSIONAL
SERVICES TO AMBULATORY PATIENT GROUPS AND
ASSIGNMENT OF RESOURCE-BASED RELATIVE VALUES

CHAMPUS PROFESSIONAL SERVICES
-GLASSIFICATION STUDY (CPSCS)



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HEALTH SERVICES COMMAND
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SUMMARY

Professional services claims constitute the bulk of the Triservice CHAMPUS Statistical Database Project (TCSDP) data.

Because of spiraling costs within Department of Defense (DOD)

health services, and particularly within the Civilian Health and

Medical Program of the Uniformed Services (CHAMPUS), better

methods are required to assess current resource allocations as

compared to service requirements.

Classification of ambulatory care data to Ambulatory Patient Groups (APGs) provides this tool, and indeed has been accomplished in the Professional Services Classification Study (PSCS). This case-level classification system provides information to analysts and policy makers that will enable them to make better decisions based on resources available and medical services requirements.

Encounter files were developed from the claims data so that APG classification could be accomplished. Encounters were built by joining or separating claims by "care begin date". The resulting encounter enables APGs to be assigned and consolidation or ancillary packaging of procedures to be flagged. This is possible because the services provided on a single day are aggregated on the Encounter record, enabling the APG grouper software to evaluate one service against another in terms of most important or resource intensive.

Resource Based Relative Values from the fee schedule for physician's services were also assigned for each procedure code.

The schedule contained values for almost one hundred percent of the codes used in the CHAMPUS files.

All encounters were assigned both RBRVS values and APGs, and the analysis up to this point in the study uses all encounters. However, it is planned to separate the encounters to those that are facility based and those provided from an office setting. The facility based encounters will then be analyzed using APG assignments, while the office-based encounters will use the RBRVS values.

In the APG analysis on all encounter records, sixty-two percent of the variation in allowed charges was accounted for by the APG groupings. Although this R-square statistic is high when compared with research results using other classification systems, it is anticipated that the use of only facility-based encounters will significantly increase this percentage.

It is expected that use of the fee schedule in the Medicare program will increase cognitive service payments and decrease invasive procedure payments. Implementation of the RBRVS fee schedule in the CHAMPUS payment for physician services is likely to see the same pattern.

Classification of ambulatory data to Ambulatory Payment
Groups and assignment of Resource Based Relative Values gives
managers and policy makers new tools for determination of
resource requirements, allocation of resources, and evaluation of
medical care being provided. In this age of scarcity and
redistribution of resources, the capability of comparing case mix
of care rendered and case level measures among providers, sites

of service, departments, regions, and programs increases in importance. Capabilities demonstrated by this study will provide the necessary tools for new and improved analysis techniques for the short term, with improved health care delivery as the long-term potential benefit.

ACKNOWLEDGMENTS

There are many persons who have contributed in some way to this Report. First, we could not have even begun the project without the CHAMPUS professional services data. Within our organization, US Army Health Care Studies and Clinical Investigation Activity (HCSCIA), our Division Chief, Dr. Scott Optenberg, helped tremendously in making the data available, offering his expertise in the formation of the data base, and interpretation of the data as well as the project design. His consultative support has been invaluable throughout every phase of the project, and we appreciate his contributions.

We have also had outstanding programming support within HCSCIA. Ms. Paulinda Pangaldan, Mr. Ricardo Maldanado, Ms. Catherine Stein, and Ms. Kathleen Moon have all written complex computer programs to manage and analyze the large data files. We appreciate their support.

There have also been several people outside our activity who have contributed to this project. Dr. Joanna Lion and Mr. Al Malbon, of Brandeis University, along with Mrs. Margaret Sulvetta, of Urban Institute, have shared their ideas and research to assist us in this project. Dr. William Koprowski, a faculty member of Medical University of South Carolina and formerly a Robert Wood Johnson fellow at Physician Payment Review Commission, helped us interpret the cost data.

Mr. Richard Averill and his staff at 3M Health Information Systems generously provided software and expertise to facilitate APG classification. Dr. Mark Wynn and Dr. Jesse Levy at Health Care Financing Administration have shared their knowledge of the APGs and RBRVS and their utilization in the Medicare Program.

Ms. Elizabeth Ruiz and Ms. Michelle Lee, from our HCSCIA support staff, have provided administrative support and taken care of travel arrangements for the project team. We appreciate their support. Finally, the support and encouragement of our Commander, Colonel David A. McFarling, for this project was invaluable and very much appreciated.

Without the contributions of all these people, the work documented in this report could not have been accomplished. We wish to thank each one for their contribution; we appreciate it very much.

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INTRODUCTION

Purpose

The purpose of this study is to evaluate the use of diagnosis and procedure based, or case-level, ambulatory classification systems, i.e., Ambulatory Patient Groups (APGs) and Resource-Based Relative Value Scales (RBRVS), as tools for allocation of resources in the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS). Additionally, a data base for further ambulatory care classification research will be established, along with the software tools necessary to group ambulatory data.

This report addressess classification issues. Future reports will address weight development for the APGs, conversion factors for the RBRVS, and case mix profiles for clinics, catchment areas, military services, Department of Defense (DOD), and/or geographic areas.

Background

The Department of Defense Military Health Services System (MHSS) serves a population of almost ten million beneficiaries, thus comprising one of the largest health care systems in the world. The MHSS direct care system provides care for approximately a million inpatients and has almost fifty million outpatient clinic visits annually (Gisin, 1990). DOD spent \$13.1 billion for health care in 1989 (Kenkel, 1991).

As a companion to the direct care furnished in military hospitals and clinics, care is also provided to DOD beneficiaries by civilian providers of care through CHAMPUS. The Office of Civilian Health and Medical Program of the Uniformed Services (OCHAMPUS) processes more than five million claims annually. In 1989, the OCHAMPUS annual budget was approximately \$1.5 billion, which is a significant portion of the overall DOD MHSS budget (Defense Medical Systems Support Center, 1989).

CHAMPUS and the MHSS direct care system used to be funded through separate appropriations and budgeting. However, in 1988 the CHAMPUS budget was allocated directly to the military departments. Beginning in 1989, CHAMPUS dollars were allocated to military hospitals by catchment area, or generally areas within a 40-mile radius of the military hospital (Badgett, 1990).

However, in spite of efforts to gain control of escalating health care costs, they continue to rise. Significant budget overruns in CHAMPUS expenditures make it imperative that Department of Defense, as well as the individual military services, better plan and project workload and resource requirements for medical care provided through CHAMPUS. Within the CHAMPUS budget, professional services in ambulatory care constitute the bulk of the claims. Professional services data from CHAMPUS have been used for this study.

Except for special demonstration projects such as Catchment
Area Management or Gateway to Care, Army Medical Department

(AMEDD) budgeting for in-house ambulatory care is currently based
on Ambulatory Work Unit (AWU) weights, which are clinic

specific (J. Jensen, personal communication, January 10, 1992). Each visit to a clinic is assigned a predetermined weight for that clinic, regardless of the condition of the patient being treated or the procedure performed. A similar system for CHAMPUS budgeting has been considered as an interim measure for cost control. However, it is generally recognized that a case-level classification system based on diagnoses and procedures would be a better indicator of resources required. The Diagnosis Related Groups (DRGs) are being used for this purpose for inpatients in the MHSS direct care system, CHAMPUS and Medicare programs, and for most other third-party payments. However, there is currently no nationally-accepted counterpart for the ambulatory setting.

For the last several years the Medicare program has also experienced tremendous cost increases. Spending for physicians' services is the second largest component (after hospital expenditures) of Medicare expenditures and the third largest Federal domestic program. Costs for physicians services increased at an annual compound rate of 16 percent during the ten year period from 1978 to 1987 (Kay, 1990). As a result, Medicare spending for Part B physicians' services has been the major focus in efforts to reduce costs and bring about physician payment reform.

Additionally, there has been a shift of services from the hospital inpatient setting to ambulatory care. Ambulatory surgery has increased tremendously. In 1986, over forty percent of hospital surgery was performed on an outpatient basis, compared to only sixteen percent as recently as 1980 (Lion, Collard, Malbon, Vertrees, & Mowschenson, 1988).

One of the reasons for the high cost of medical care is that there is no true competition in the health care industry (Deatsch & Shaw, 1990). For the most part, payments for services come from third party payers rather than from the patients receiving care.

Under the CHAMPUS program patients pay only a portion of the costs for care. However, their incentive to shop for medical care is low because of small co-payments and the advantages of getting appointments faster than in the direct care system.

The concern and move toward controlling spiraling costs for health care is not unique to Department of Defense, but is universal in health care in the United States. Department of Defense can benefit, however, from the research and programs instituted in other agencies and systems.

The classification system of Diagnosis Related Groups (DRGs) was introduced and implemented for inpatient care within the Medicare Prospective Payment System (PPS) in 1983. The unit of payment under the DRG PPS is the hospital discharge. Predetermined rates have been established for each DRG. This has proven to be an effective tool, not only for controlling costs, but also as a measure for case mix analysis, quality and workload reporting. It has successfully slowed the rate of inflation of hospital cost for the Medicare population by providing hospital management and physicians with the incentive to provide care more efficiently. The fact that most third-party payors adopted the DRGs after the Medicare PPS implementation testify to their diverse capabilities. Department of Defense has started

assignment of DRGs to inpatient records in their direct care system, and some resource allocation within service branches by DRGs have been made. OCHAMPUS also directs that their fiscal intermediaries assign DRGs to CHAMPUS claims for inpatient care, but resource allocations for CHAMPUS inpatient care by DRG has not yet begun.

Payment for ambulatory care in the civilian arena has remained essentially cost based or fee for service. The result has been a large increase in both volume and cost of ambulatory care, which has partially offset the savings achieved in the inpatient setting. Increases in physician payments far in excess of inflation along with the concern about the relationship between charges and the resources expended to provide services has brought about demands for physician payment reform.

In the 1986 Omnibus Budget Reconciliation Act (OBRA), Congress directed that Health Care Financing Administration (HCFA) develop a prospective payment system for ambulatory care. Under this act, facility costs for ambulatory care in settings such as hospital outpatient departments, emergency rooms, same day surgery units, and outpatient clinics would be paid on a prospective basis. Facility costs are those connected with the facility, such as medical and surgical supplies. Physicians' professional services fees would not be included.

One approach to the development of an ambulatory prospective payment system would be to design a system that is similar to the inpatient DRGs. In order to develop such a payment or resourcing system, however, it is necessary to determine a basic unit of

payment. In the ambulatory setting the basic unit of payment has traditionally been the visit, representing a contact between a patient and a health care provider. A visit can be for a diversity of services, all the way from an evaluation of a condition to provision of complex tests and/or extensive use of ancillary services.

Along with the Congressional mandate to develop a PPS for ambulatory care facility payments, the OBRA of 1989 prescribed physician payment reforms that would change the way physicians are paid for ambulatory services. Medicare Title XVIII to the Social Security Act established that physician payments under Part B, or Supplementary Medical Insurance, would be paid by reasonable charge methodology. In general, the reasonable charge is the lowest of the physician's actual charge, the physician's customary charge, or the prevailing charge in the locality for similar services. Medicare's method of paying physicians on the basis of historical charges has distorted the pattern of relative payment across different physician specialties, geographic areas, and services (Physician Payment Review Commission, 1991).

Section 6102 of the 1989 OBRA amended Title XVIII by adding a new section, "Payment of Physician's Services". This section established three major elements: (1) Replacement of the reasonable charge method of payment for physician payments with a fee schedule; (2) Establishment of volume performance standard rates of increase for physician payment expenditures; and (3) replacement of the maximum allowable charge for nonparticipating physicians (Health Care Financing Administration [HCFA], 1991).

The fee schedule would apply to physician services including professional services, services and supplies incidental to physicians' services, outpatient physical and occupational therapy, and diagnostic and therapeutic radiology.

The implementation of a fee schedule, or a resource-based relative value scale, for all specialties is a major change to the way physicians are paid for services. However, a relative value scale has already been implemented successfully for specific areas, such as radiology and anesthesiology (HCFA, 1991, November 25).

When the DRGs were implemented under PPS for Medicare, third party payors immediately began using them also for other populations. DRGs quickly became the "nationally accepted" payment tool for inpatient care. It is envisioned that the same thing will happen in the ambulatory care arena. When HCFA implements a classification system for Medicare ambulatory care, third party payors are expected to follow the precedent set with DRGs and also adopt the systems that HCFA implements. If this happens, then both under CHAMPUS and the direct care system (for contract physicians), payments for services would be negotiated and paid for using the systems implemented for Medicare.

Classification systems for ambulatory care have not been proliferated to date for many reasons. Ambulatory care data have not been collected routinely by clinics or hospital outpatient departments. The sheer volume of ambulatory medical care stresses most current computer systems and negates integration of ambulatory data with inpatient data collection. However, the

shift from inpatient to ambulatory care increases the importance and high priority of ambulatory systems development. This is expected to be an area for growth and attention in all health care information systems.

Use of a case-level classification system for ambulatory care prospective payment could provide many advantages over the current systems. However, if used for resource allocation, it must measure case mix of facilities or providers in order to provide equitable reimbursement. In the current environment of dimenishing resources, a classification system should provide the critical information needed to make appropriate choices of the medical services to be provided. Therefore, it is very important that the best systems available be selected for use by DOD as well as by HCFA for the Medicare Program and other large systems.

A classification system should give managers the information needed to understand and control costs. It should encourage provider efficiency and provide important clinical management information. However, a classification system should be implemented so as to continue or increase rather than decrease access to care and quality of care.

A classification system should not be cumbersome to administer. It should have a small number of groups and minimum data element requirements that are routinely collected by most information systems. It should also be comprehensive for all specialties (including ancillary services) so as to be useful throughout the health care industry.

The groups of a classification system should have similar

clinical characteristics. The definition of similar clinical characteristics is dependent upon the goal of the classification system (Averill, Goldfield, McGuire, Bender, Mullin & Gregg, 1990). For APGs, the definition of clinical similarity relates to the rationale for differences in resource use. If, on the other hand, the classification goal was related to patient prognosis, then the definition of patient characteristics which were clinically similar would probably be different.

Because of the volume of ambulatory care provided within the MHSS and the lack of automated systems, data capture and analysis presents even more of a challenge than in the inpatient area. Although no case-level data are currently being collected in the direct care system for ambulatory care, Congress has mandated (Public Laws 99-661, November 14, 1986; PL 100-108, November 4, 1987) that DOD move toward resource allocation for MHSS ambulatory care using a classification system like the DRGs for inpatients. This implementation was to be for Fiscal Year (FY) 1989; however, it has been delayed because of the lack of case-level clinical and cost data in the direct care system.

Within the MHSS direct care system, summary statistics are maintained that report the number of clinic visits to each clinic specialty by beneficiary category. Documentation of a visit is made in the patient's chart; there is no automation of this information. Resources for outpatient clinics are allocated based on the number of visits to each clinic.

This study uses tri-service data, and will have implications for all three military services. An ambulatory data base will be

developed from CHAMPUS fiscal intermediary claims. Encounter records will then be developed from these claims and will be classified using the case-level classification systems Ambulatory Patient Groups (APGs) and Resource-Based Relative Value Scales (RBRVS). Both systems targeted for use are under development; neither have been field tested. Therefore, not only will this study evaluate their applicability to MHSS ambulatory data, but it will also evaluate their use as a tool for analysis, planning, clinical comparisons, and resource allocation. The use of CHAMPUS ambulatory care data in this project will give insight into current and projected utilization of ambulatory services in the CHAMPUS portion of the MHSS, as well as provide helpful information for the direct care system in the absence of current case-level ambulatory data.

The CHAMPUS data base is maintained centrally and contains the fiscal intermediary claims for inpatients, outpatients, and special programs under CHAMPUS. A copy of this data has been reconfigured and used in the Tri-Service CHAMPUS Statistical Database Project (TCSDP) at U.S. Army Health Care Studies and Clinical Investigation Activity (HCSCIA). The CHAMPUS Professional Services Classification Study (CPSCS) will build a data base from these claims that will include all ambulatory visit records for Fiscal Year 1989 (approximately nine million claims), then use these data or a sample thereof for classification into APGs and RBRVS. The data base will be designed using recommendations from the National Committee on Vital and Health Statistics regarding the Uniform Ambulatory Care Data Set (1990), along with

the Washington Business Group on Health and National Association of Health Data Organization (NAHDO) (1989) recommendations for data uniformity and the ambulatory data record. This data base can provide a prototype for the ambulatory data record that will be used when ambulatory data collection is begun in the MHSS direct care system or for future CHAMPUS data system revisions.

Literature Review

There are many ambulatory classification systems available for use, but none currently being used on a national scale. In review of the systems available, there are at least 35 classification systems either in development or that have already been developed (Georgoulakis, Akins, Richards, Guillen, Gaffney, Bolling, Austin, & Moon, 1990). Of the systems available, most are not feasible for use in the MHSS. Some of the systems have been ruled out because the data collection requirements are impractical considering the large volume of data that will be generated within the MHSS direct care system and the resource requirements for data collection. Other systems do not make enough distinction between services to be of value for measuring intensity of illness or resources consumed. Some systems lack documentation or are in a revision process.

In consideration of implementation of ambulatory classification systems within the CHAMPUS or MHSS direct care system, it is generally believed it would be better to be compatible with other agencies (such as HCFA, with the Medicare program) than to have yet another system that Congress would need to become familiar

with. Particular attention was directed, therefore, to the classification research that was currently being funded by HCFA at the time the project was designed.

The systems that HCFA appeared to be most interested in were the Products of Ambulatory Care (PACs), Ambulatory Visit Groups (AVGs), Diagnosis Related Groups (DRGs) (as applied to ambulatory care), and Ambulatory Patient Groups (APGs). Additionally, there was a tremendous lobbying effort going on regarding physician payment reform and consideration of the Resource-Based Relative Value Scale (RBRVS).

As we mentioned earlier, although Diagnosis Related Groups have become the accepted classification for inpatients, there is no nationally accepted ambulatory classification. There have been some efforts to also use the DRGs as a classification tool in the ambulatory setting.

In a study for Health Care Financing Administration, Dr.

Joanna Lion applied the DRGs to records of aged Medicare patients seen in hospital outpatient departments, attempting to evaluate use of DRGs as a prospective payment system for ambulatory surgery (Lion, Vertrees, Malbon, Collard, & Mowschenson, 1990).

This use of DRGs was rejected for two reasons. Almost twenty percent of the dollar volume of hospital-based ambulatory surgery records fell into medical DRGs rather than surgical.

Additionally, the ratio of the inpatient DRG weights to the ambulatory billed charges for the ambulatory DRGs had excessive variation (more than tenfold). It would be very difficult to

apply the DRGs to both inpatient and ambulatory data in a consistent manner.

Margaret Sulvetta (1991) applied the DRGs to Medicare outpatient surgery data. She reported that the DRG system is not appropriate for use as an ambulatory payment system. She further stated that because of its focus on inpatient care, it does not recognize ambulatory surgery procedures as significant procedures.

Products of Ambulatory Care (PACs) were developed under a grant from HCFA by New York State Department of Health (Tenan, Fillmore, Caress, Kelly, Nelson, Graziano & Johnson, 1988).

PACs are based on the concept of bundling together all the medical services provided to a patient, except for high-cost technologies, which are separated into different groups. In a study using a sample of data collected from six Army hospitals (Georgoulakis et al., 1990), 57 percent of the data was categorized by three PACs.

The PACS were designed primarily for reimbursement. Therefore, many types of diagnostic conditions are combined into groups requiring similar resources. Consequently, the groups are not as clinically meaningful as some other classification systems.

PACs do not cover ambulatory surgery services. A separate system called Products of Ambulatory Surgery (PASs) was developed for ambulatory surgery (Kelly, Fillmore, Tenan, & Miller, 1990). Margaret Sulvetta (1991) evaluated the PASs as a prospective payment system for ambulatory surgery. Using Medicare data for her evaluation, she found that three PASs accounted for over

half of all claims and nearly two-thirds of all charges.

PACs. The 24 medical PACs have been expanded into 71 groups and when combined with the 42 PASs, created a combined system called Products of Ambulatory Care and Surgery (PACS), with a total of 113 groups (H. H. Fillmore, personal communication, January 15, 1992).

Ambulatory Visit Groups (AVGs) were also considered as an alternative approach for ambulatory prospective payment in the Medicare population. Under grants from HCFA, researchers at Yale University developed the AVG patient classification scheme to be similar to the inpatient DRGs. It was envisioned that the combination of DRGs and AVGs could adequately describe a hospital's product (both inpatient and outpatient) and account for variation due to case mix differences (Schneider, Lichtenstein, Fetter, Freeman, & Newbold, 1986).

The AVG groupings are clinically meaningful to providers and clinicians. However, they do have several characteristics that limit their applicability as the unit of payment in a prospective payment system. There are 570 AVGs, an excessive number of classes given that much of ambulatory care is concentrated in only a few types of visits.

The AVGs also utilize patient characteristics in their definition which are not collected on the ambulatory claim form utilized by Medicare, CHAMPUS, or existing ambulatory data systems. Old versus new patient is an example. Other than survey

data such as the National Ambulatory Medical Care Survey (NAMCS) (DeLozier & Gagnon, 1987), we were unable to locate current data that contain this data element. Not only is this data element not generally collected, but there is much confusion as to the definition of a new patient, whether it more appropriate to define a new patient as being new to a provider, new to a group practice, or new for treatment of a new or acute condition.

The first grouping algorithm or decision tree in the AVGs is the principal diagnosis check, where the records are subdivided into Major Ambulatory Diagnostic Categories (MADCs). Because of this structure, the same procedure may be found in multiple AVGs. In some cases it is therefore difficult to describe the services performed using AVG descriptions of groups.

The large number of groups make AVG use prohibitive. Neil Smithline (1990) reported that AVGs classified 72% of worker's compensation cases that had a major surgical procedure into 18 AVGs. Of these 18 AVGs, two accounted for 41% of all outpatient cases.

Dr. Joanna Lion tested the AVGs as a tool for classifying hospital-based ambulatory surgery (Lion, Vertrees, Malbon, Harrow, Collard, & Mowschenson, 1990, February). In this research, the 25 most common AVGs accounted for 80 percent of the dollar volume of ambulatory surgery.

In Margaret Sulvetta's research on ambulatory surgery (1991), AVGs accounted for approximately 62 percent of the variation in charges. However, only 305 of the 570 groups were used.

AVGs are a good measure of case complexity. They are incomplete in that they do not encompass laboratory testing and radiology.

In order to obtain an ambulatory patient classification scheme more suitable for use in a prospective payment system, HCFA in March of 1989 awarded Health Systems, International (now 3M Health Information Systems) (3MHIS) a grant to develop the APGs.

Ambulatory Patient Groups

When 3MHIS began their research on ambulatory patient classification, one of the systems they reviewed in detail was the AVGs. After several months of investigation it was decided that a major departure from the diagnosis-based AVGs to a procedure or service-based system would be more appropriate for ambulatory care.

There are major differences between the AVGs and APGs. The AVGs followed closely the DRG methodology to facilitate linking of the two systems, DRGs and AVGs, for describing the total health care. Both DRG and AVG programs grouped first on diagnosis, and procedures therefore could fall into several different groups, depending on the diagnosis of the patient. In ambulatory care, it is much more common to characterize the care according to the procedures or services performed. Additionally, in the ambulatory setting the service provided is generally thought to be a much better indicator of resource requirements. Therefore, for the procedural APGs, the groupings were based first on

procedure rather than diagnosis. Under this philosophy, each significant procedure would be grouped to only one APG. This would make the definition of the APGs more meaningful to providers of care.

APGs were developed to be used in a wide range of ambulatory settings including same day surgery units, hospital emergency rooms, hospital outpatient clinics and physician offices. They do not address phone contacts, home visits, nursing home services, or inpatient services. APG evaluators for HCFA are using Medicare data, since HCFA's anticipated application of APGs will focus on Medicare patients. However, APGs were developed to represent ambulatory patients across the entire patient population. For example, pregnancy APGs were developed although this would not be encountered in the Medicare population. APG developers contend that APGs can be used to differentiate both facility costs and professional costs, although their anticipated use in the Medicare population will be prospective payment for facility costs of outpatient services (Averill et al., 1990). Professional costs relate primarily to professional time and, therefore, directly impact facility time when the care providers are part of the facility. Dr. Joanna Lion (Lion et al.,1991, September 30) discussed separation of physician and hospital reimbursement as follows:

While separation of physician and hospital reimbursement is the same principle under which DRGs have been used as a prospective payment system for inpatient hospital care since 1983 (physician fees are excluded from DRGs), the separation is less clear on the outpatient side.

For procedures, regardless of setting, the issue is fairly clear cut. For example, laboratory tests and radiological procedures have both professional and technical components: a pathologist or radiologist interprets a procedure which has been performed by a technician using expensive equipment. In the same manner, ambulatory surgery has the same division: an ophthalmologist does cataract surgery in an ambulatory surgery setting. There is one fee for the ophthalmologist and a second for the technical component, in this case the hospital outpatient department which provides operating room, anesthesia, and the implantable lens use in the operation.

The distinction is much less clear, however, in a physician's office based setting, where the professional component (the physician's time) and the technical component (his overhead) are difficult to separate. For this reason, the ambulatory patient groups cannot be simply applied to physicians' offices but only to settings where professional and technical components can be distinguished if this rather artificial separation is to be maintained.

This study will not only evaluate use of APGs for facility payments for ambulatory care, but will also examine their application for professional services resource allocation.

There are 297 APGs, as compared to 570 AVGs. This smaller number of groups also makes the APGs more attractive for analysis and resource allocation. A complete list of the APGs can be found at Appendix A.

Resource-Based Relative Value Scales.

The Resource-Based Relative Value Scale (RBRVS) is the work of a research team, lead by Dr. Hsiao, at Harvard School of Public Health. In 1978 their group began development of a relative value scale for medical and surgical services (Hsiao & Stason, 1979).

In the 1980's, as a result of spiraling costs and introduction of prospective payment for inpatient services, attention also began to focus on physician payments and reform. This relative value scale study began to receive national attention, and HCFA's Office of Research and Demonstrations, jointly with the National Institute of Mental Health, supported this study. Other organizations which contributed funding include: Aetna Life Insurance Company, American Association of Oral and Maxillofacial Surgery Educational Foundation, Asthma and Allergy Foundation of America, Blue Cross and Blue Shield, The Commonwealth Fund, The Dermatology Foundation, Equitable Assurance Society of the US, Henry J. Kaiser Foundation, Metropolitan Life Foundation, and the Prudential Foundation. (Becker, Dunn, Braun & Hsiao, 1990). The RBRVS study was designed to develop an alternative method to reimburse physicians for services performed rather than using the Customary, Prevailing, and Reasonable (CPR) charge system which Medicare had adopted. According to Dr. Becker, (1990) the study attempted to demonstrate that relative resource costs of physician services can be measured in a rational and systematic way.

The RBRVS bases payment on the relative resource-input costs encountered by physicians in performing their work. Because the RBRVS system could change the economic incentive structure to physicians, thus affecting the cost, quality, and access of medical services, this study has been widely discussed by all levels of health services researchers and providers.

The Resource-Based Relative Values provide relative values for each CPT-4 procedure. Although they were developed for physician payments, they could also be used prospectively for PPS, resource allocation and budgeting.

RBRVS were developed in two phases, and Phase III was for refinement of Phase I and II work and completion of assignment of values to all CPT-4 codes. The first phase was reported in 1988, and the second phase ended in the summer of 1991. Phase III has been ongoing for the last several months.

The RBRVS reflects estimates of what the relative costs of efficient physicians would be if a perfectly competitive market functioned in the medical environment (Becker, Dunn, Braun, & Hsiao, 1990). After systematic exploration of the factors that physicians identify as constituting their work input and other resource costs, methods to measure these components were developed. A model was developed that defines resource inputs to physicians' services as: 1) the work expended by the physician on particular services, encompassing time spent before, during and after the service, and the intensity with which that time was spent; 2) The practice costs necessary to supply the service; and 3) the opportunity cost of training, which represents the income forgone when physicians pursue additional years of training to be a qualified specialist. These three factors are combined in a multiplicative model to produce the resource-based relative value of a given medical service.

The work of the Harvard team is quite remarkable, but as with any controversial change, it is not without its dissenters.

Questions arose concerning the applicability of visits crossing specialties, the validity of extrapolated values, and the validity of pre- and post-service estimates. Findings from Phase I showed current physician charges are not closely related to resource costs, and that evaluation and management services are compensated at a lower rate relative to resource costs than are invasive, imaging, and laboratory services (Hsaio et al., 1988).

The second phase of the RBRVS research was undertaken to address the shortcomings identified in Phase I and to expand the scope of the study to include 15 additional medical and surgical specialties plus the resurveying of 7 Phase I specialties. In response to Phase I criticism, the team had the technical consulting group panels redefine the identification of services belonging to a family. Additional criteria used to strengthen family homogeneity included "similar technology (or technique) is used in performing the services, services are performed in the same setting, and the services are all performed in the same specialty" (Hsiao et al., 1990). Furthermore, the Harvard team collected additional data to validate the extrapolated values. The data showed that 66 percent of the extrapolated values were within 20 percent of the national survey, 83 percent were within 30 percent, and 17 percent differed by more than 30 percent.

The Harvard team has aligned relative values for 33 specialties on a common scale. The team assembled groups of physician panelists in each specialty and allowed all panelists to vote on accepting or rejecting each specialty link and to rate the quality of the linkage. By the end of Phase II, the team had developed 5,752 relative values representing over 4,150 CPT-4 codes. These codes accounted for 85 percent of the Medicare dollars (Hsiao et al., 1990).

The RBRVS do not attempt to measure all attributes of physician services. Inputs are considered, rather than outputs, or health outcomes. The RBRVS, in measuring resource inputs, provide a more objective basis for estimating prices than the current reasonable and customary charge methodology. This is not to say that the RBRVS do not have shortcomings. The RBRVS do not take into account the patients' demand for services. According to Becker (1990):

In a reasonable competitive market, fees for physicians' services would be driven down by competition to the resource costs required to produce these services. Services whose costs exceed patients' willingness to pay would not be demanded by patients. While RBRVS may reasonably represent the relative costs of different services, RBRVS-based payment rates for some services could exceed patients' valuation of them. This problem has to be considered if the RBRVS is ultimately used to pay physician services.

Furthermore, the RBRVS is based on the CPT-4 procedure classification, and as such, does not capture severity of patients within a given CPT-4 code. Additionally, assignment of CPT-4 codes may vary from one physician to another, depending on their interpretation of service. However, these shortcomings are to some degree a part of any payment system that uses a uniform fee schedule.

Use of Ambulatory Classification Systems

Although neither of the classification systems being studied are in use currently, it is anticipated that HCFA will begin

using the APGs and RBRVS for facility and physician payments in the Medicare system. The Final Rule for implementation of the Fee Schedule for Physicians' Services (HCFA, 1991, November 25) applies to services furnished beginning January 1, 1992. The RBRVS schedule will be phased in over the period Fiscal Year (FY) 1992 through 1995.

Implementation of a case-level ambulatory classification system within DOD has been Congressionally mandated. It is intended that this study will provide valuable information to policy makers for design and implementation of an ambulatory classification system for the MHSS, as well as give insight into managing the spiraling costs of CHAMPUS health care. Additionally, a data base will be established that can be used for other ambulatory care research, both for CHAMPUS and the MHSS direct care system.

OBJECTIVES

Objectives of the CHAMPUS Professional Services Classification Study are:

- 1. Classify Fiscal Year 1989 CHAMPUS professional services data into Ambulatory Patient Groups (APGs) and assign Resource-Based Relative Value Scales (RBRVS).
- 2. Develop a weighting system for APGs and conversion factors for RBRVS.
- 3. Provide Office of the Surgeon General (OTSG) and other Army and DOD agencies a complete CHAMPUS professional services research data base with APG and RBRVS fields appended.
- 4. Provide OTSG and other Army and DOD agencies the necessary software and documentation to group future CHAMPUS data efficiently and effectively.

METHODOLOGY

Overview

Secondary data files were used in this study, consisting of claims for professional services processed to completion during FY 1989. These claims were originally processed by CHAMPUS fiscal intermediaries at a regional level, then combined into central files at OCHAMPUS. Copies of the Quick Response Definition Files (QRDF) created at OCHAMPUS were transmitted to this Activity for the Tri-Service CHAMPUS Statistical Database Project (TCSDP). Data for the Professional Services Classification Study were then extracted and represent the ambulatory care, or professional services, claims processed to completion in FY89. These are called "Type 7" records in the QRDF file. These claims represent CHAMPUS beneficiary outpatient visits to hospital outpatient departments, clinics, physicians' offices, same-day surgery units, or any other site outside the direct care system of MHSS but purchased under CHAMPUS.

<u>Data</u>

Files copied from the TCSDP consist of both summary and detail records. Summary records contain demographic information about the patient, the diagnosis or condition being treated, and the payment information for the entire claim. Accompanying each summary record are detail records, which present in detail each service rendered, along with dates of service, source of care, payments made, and other information regarding that particular

service. The summary records extracted for this study comprise a data base of almost ten million records, representing the military services as follows:

Army 3,206,802 records

Air Force 3,040,271 records

Navy (Including Marines) 3,632,743 records.

Each summary record could have up to 32 detail records. The summary and detail records together represented almost 30 million records. This data base was loaded on to the Fort Detrick Data Processing Center computer at Fort Detrick, Maryland and was remotely processed via communications linking the Fort Detrick mainframe computer and computers at HCSCIA located at Fort Sam Houston, Texas.

From the file extracts outlined above, records were separated into a set of "Goods Files" and a set of "Adjustment Files".

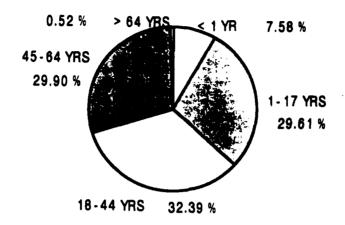
The Adjustment Files contain records of all claims that have been denied, cancelled, corrected or adjusted along with good records matching those claims (about twenty percent of the data, most of which were denials). Separation of these adjusted or denial records left 7.8 million summary records in the Goods Files.

When these records were combined with their detail records, the final "Goods Master Files" contained 16,526,835 records.

The beneficiaries whose claims for ambulatory care were processed to completion during FY 1989 can be described in several ways. The majority are of the age group 18-44 years (see Figure 1). Approximately sixty-five percent of these are female (see Figure 2). The largest beneficiary category is

Figure 1. Age of CHAMPUS Professional Services Beneficiaries





dependents of active duty personnel (see Table 1). Data shown in Table 1 are categorized by the sponsor's branch of military service.

Figure 2. Gender of CHAMPUS Professional Services Beneficiaries

FY 89

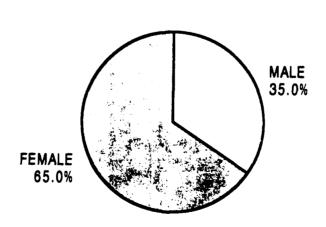


Table 1

Beneficiary Category of Patients by Military Service of Sponsor

MILITARY SERVICE	BENEFICIARY CATEGORY						
FREQUENCY PERCENT	OTHER	DEPN AD	RET MIL	DEPN RET	DEPN DECS	TOTAL	
ARMY	2935	358681	91464	199827	26552	679459	
	0.15	18.82	4.80	10.48	1.39	35.65	
AIR FORCE	2941	226766	105525	200784	20576	556592	
	0.15	11.90	5.54	10.53	1.08	29.20	
MARINES	491	83842	17271	35127	4162	140893	
	0.03	4.40	0.91	1.84	0.22	7.39	
NAVY	2034	293426	75283	142862	15478	529083	
	0.11	15.39	3.95	7.50	0.81	27.76	
TOTAL	8401	962715	289543	578600	66768	1906027	
	0.44	50.51	15.19	30.36	3.50	100.00	

Note. DEPN AD = Dependents of Active Duty Sponsors; RET MIL = Retired Military; DEPN RET = Dependents of Retired Military; DEPN DECS = Dependents of Deceased Sponsors.

Although each summary record could have up to 32 detail records, the average number of detail records per summary was 2.1. Generally, each summary record represented one claim; however, when claims spanned fiscal years, two summary records were generated. Also, claims were not limited specifically to an episode of care, a service, one source of care, or a time period. One claim might cover care from more than one source, or provider, of care, more than one particular service, or services by one provider on several different dates. Claims were usually for the same medical condition, although the specific five-digit

diagnosis among the different care providers presenting their portion of the claim.

Conversely, a claim might only cover one service provided, with multiple claims for each encounter or each source of care. Although some information can be gleaned from modifiers that are generally attached to procedure or service codes in claims data, these modifiers were not included in the Tri-service CHAMPUS Statistical Database (TCSDP) professional services files nor subsequently in the CPSCS files for this study.

Claims for ambulatory care under CHAMPUS are for a wide variety of conditions. Figure 3 displays the groups of diagnoses that constitute the reason for visit or for services provided for which the claim is made (from the sample file). Diagnoses were coded using International Classification of Diseases 9th Revision, Clinical Modification (ICD-9-CM) (Health Care Financing Administration [HCFA], 1988). The most frequent condition coded in the sample file was diagnosis code 3829, Unspecified otitis media; followed by 4019, Essential hypertension; 3004, Neurotic depression; and 4779, Allergic rhinitis. These four conditions accounted for almost ten percent of the claims in the sample file. A more complete listing by the highest-frequency three-digit diagnosis categories can be found at Appendix B.

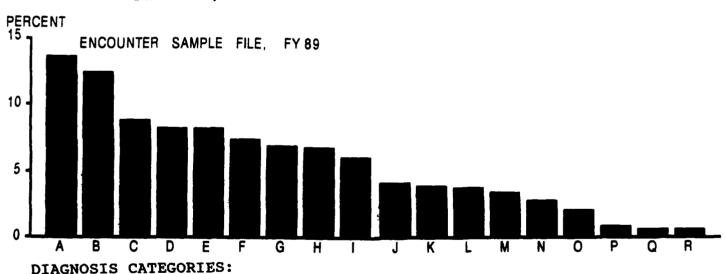
Procedures appearing on the CHAMPUS data files were from

Physicians' Current Procedural Terminology Fourth Edition

(CPT-4) (American Medical Association, 1988) codes, except for a very small number of CHAMPUS-unique codes created for recording particular services for which there were no appropriate CPT-4

code. The most frequent procedures or services coded in the sample file were the visit codes. There was no real pattern in the coding of visits, however. Sometimes an office visit would be coded with a service, and other times the service would be coded alone, with the charges of the visit included with the service. In the medical cases where no significant procedure was done, it was expected that almost every claim would have a visit coded. However, it turned out that only about 53 percent contained a visit code.

Figure 3. Diagnosis Categories of Professional Services Patients, Encounter Sample File

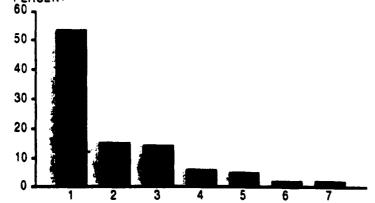


- A MENTAL DISORDERS
- B RESPIRATORY SYS DISORD
- C NERVOUS SYSTEM DISORD
- D SYMPTOMS, SIGNS
- E GENITOURINARY SYS DISORD
- F CIRCULATORY SYSTEMS DISORD
- G MUSCULOSKELETAL SYS DISORD
- H INJURY AND POISONING
- I FACTORS INFLUENCING HEALTH

- J ENDOCRINE, METABOLIC DISORD
- K NEOPLASMS
- L DIGESTIVE SYSTEM DISORD
- M SKIN, SUBCUTANEOUS TISSUE D
- N INFECTIOUS, PARASITIC DIS
- O COMPLICATION OF PREGNANCY
- P CONGENITAL ABNORMALITIES
- Q BLOOD, BLOOD-FORMING ORGANS
- R PERINATAL CONDITIONS

when the frequency of each procedure code was accumulated separately rather than in groups, the procedures having the highest frequency were CPT-4 codes 99070, Special supplies; 90844, Individual psychotherapy; 90050, Office visit, established patient, limited; 90060, Office visit, established patient, intermediate; and 84999, Clinical chemistry test. These five procedures constituted almost one-third of all individual procedures or services provided. Figure 4 displays the major categorie of procedures coded. A listing of selected procedures or services by CPT-4 code and percent of total procedures/services is listed at Appendix C. This list contains all codes that accounted for at least one percent of the total volume of services (16 codes), and when the percents are summed, accounts for fifty percent of the total services provided.

Figure 4. Procedure Categories of Most Frequently Coded Procedures, Encounter Sample File



CPT-4 PROCEDURE CATEGORIES:

- 1 All procedures not categorized in following categories
- 2 Office Visits
- 3 Special Supplies
- 4 Individual Psychotherapy
- 5 Chemistry/Blood/Urine Tests
- 6 Radiographic Procedures
- 7 Emergency Care

Development of Encounter Files

Before classification of the data, it was necessary to determine a unit of service upon which to base the classification. There is not a wealth of ambulatory data available, but most of that which was reported is visit-based. Although it would be desirable for managed care and capitation applications to have data aggregated as episodes rather than visits, research is still in its infancy as far as definition of episodes, except for a few conditions.

After considering several alternative approaches, project members decided to create "Encounters" as the unit of service for this study. An Encounter is defined as all care provided on a particular "care begin date", whether received from one or multiple claims, for multiple services, or from multiple sources of care. Records from the Goods Master files were reconfigured into Encounter files based on beginning date of care. This again decreased the size of the files to approximately 54 percent of the Goods Master files, or just over 9 million records for the three military services.

By combining all visits and services provided to a patient on one day, it is possible to make comparisons of services performed for a condition by different providers or sources of care. By aggregating these services provided on a particular date of care, however, we expect in a few cases to be combining services when they were in fact provided for different conditions. We expect this will be balanced to some degree by the ancillary services that are provided on the day following the visit which

actually should have been linked to the visit of the previous day. Although there are exceptions, research indicates that for ambulatory care, the majority of ancillary services are provided on the same date as the visit or the surgical procedure. By combining the ancillary services with the visit and surgery data into encounters, the variance attributable to place of care can be studied.

It is believed that services provided for treatment of a condition should generally require the same resources, whether they are provided in a doctor's office, hospital outpatient department, laboratory, x-ray department, or same-day surgery unit. However, it is recognized that practice expense varies by site of service; because of different programs, recovery of costs vary according to the program for a particular site of service. Hospital outpatient departments include certain facility charges, whereas doctor's office practices have different overhead and other elements of costs. By using the Encounter files, we will be able to investigate the influence that site of service has on costs in the CHAMPUS data.

Data elements selected for the Encounter files were those required for grouping to APGs or assignment of RBRVS, along with other variables required for further research regarding site of service or regional differentials, weight development, or case mix analysis. A description of the Encounter file can be found at Appendix D. While this file will be useful in determining the data element requirements for an ambulatory care data base for the direct care system, it is not to be inferred that all the

fields contained in the Encounter files should be collected.

Certainly a data base containing that many data elements would be much too cumbersome for administering, editing, and controlling.

It was a difficult data base to work with because of its size and complexity. Conversely, the more simplistic the data base, the easier the data collection and processing would be.

Finally, a two percent random sample was drawn from the Encounter files to facilitate the classification analysis. Records were selected based on the last two digits of sponsor's social security number; these two digits were randomly chosen to create a representative sample.

Mapping, or Recoding, of Diagnoses

Diagnoses were coded using International Classification of Diseases, 9th Revision Clinical Modification (ICD-9-CM). Codes in this classification range from three to five digits in length. Although space for five digits was allowed for in the QRDF files, only the first four were included in almost all of the professional services data received by this Activity. The only category that had five-digit codes reported was the mental health section, and this category was only partially coded with the five-digit codes. This presented a challenge as far as classification of data to APGs was concerned, since the APG software looks for specific five-digit diagnoses codes and considers a four-digit code invalid if a five-digit expansion exists in the classification for that category. This was overcome, however, by development of a crosswalk and mapping the four-digit diagnosis

categories that had valid five-digit expansions.

There were 1,230 four-digit codes for which a five-digit code was available. As a matter of interest, there were 6,426 five-digit codes available for mapping from the 1,230 four digit codes. Many of these were not used at all in the CHAMPUS data. From a set of test data used for map development, the frequency found in these 1,230 codes constituted 30.7 percent of the test data file.

The selection of the appropriate five-digit code was primarily based on the frequency of diagnoses found in the <u>National Ambulatory Medical Care Survey (NAMCS) Patient Visits 1985</u>
(DeLozier & Gagnon, 1987). From the set of test data used for map development, 89 percent of the diagnosis codes requiring mapping could be mapped using the NAMCS frequencies.

If a particular code had no frequency in the NAMCS data, then the following general guidelines were followed for code assignment:

- a. If several options were available, particularly those designating body parts, the fifth digit for "unspecified" was selected.
- b. For the pregnancy and delivery codes, the fifth digit specifies the episode of care; i.e., delivered, antepartum, or postpartum. For those categories the classification chapter subtitles were followed. For example, the subtitle for the section of codes 640-648 is "Complications Mainly Related to Pregnancy". For those codes, the fifth digit 3, meaning "ante-partum condition or complication" was selected. For the

section that is not used consistently to designate the episode of care in pregnancy and delivery, (Normal Delivery, and Other Indications for Care in Pregnancy, Labor, and Delivery, codes 650-659), the delivery fifth digit "1" meaning "delivered, with or without mention of antepartum condition" was selected.

c. For some categories where no "unspecified" subcategory was available, the first listed fifth digit was selected. The logic for this decision was that a general principle in taxonomy is the arrangement of groups and subgroups by frequency of occurrence.

Mapping of the diagnoses worked very well in creating a file with valid codes that the APG Grouper could recognize, while at the same time not altering the data to influence APG assignment. As a matter of interest, only in a small percentage of the diagnosis codes does the fifth digit made a difference in APG assignment. However, where the fifth digit is particularly important is in the identification of the codes for APG 827, Major signs, symptoms and findings (R. Averill, personal communication, January 17, 1992). None of the RBRV assignments were affected by diagnosis mapping, since their assignment is based solely on CPT-4 procedure codes.

The original diagnosis codes were maintained in the records, and the recoded diagnoses were added as additional fields. The diagnosis crosswalk is attached as Appendix E. The diagnosis mapping will again be validated when case mix reports are generated. In a previous study where mapping of diagnoses were involved, the case mix reports, although generated for assessment

of hospital performance, proved to be an invaluable tool for mapping evaluation (Baker, Austin, & Clay, 1987).

Mapping, or Recoding, of Procedures

Procedures appearing on the CHAMPUS data files were from Physicians' Current Procedural Terminology Fourth Edition (CPT-4) (American Medical Association, 1988) codes, except for a very small number of CHAMPUS-unique codes created for recording particular services for which there were no appropriate CPT-4 code. Since neither the APG classification software nor the RBRVS algorithm would recognize these CHAMPUS-unique codes, they had to be converted to valid CPT-4 codes in order to be useful in the classification process.

There were 130 CHAMPUS-unique codes for which mapping was required. Of these, only 49 were used in the CHAMPUS sample data, and the frequencies in these 49 codes constituted only 9.8 percent of the total CHAMPUS procedures or services in the sample data file.

Additional procedure mapping was done to provide for codes that appeared in the data but had been deleted, added, or changed in the CPT-4 classification. The year of the classification edition used in the APG grouping software was 1989, but the FY89 data file contained claims from FY87 through FY89 that were processed to completion during FY89. These code inconsistencies were also provided for in the procedure crosswalk.

The original procedures coded were maintained in the record, and additional fields were appended for the recoded procedures.

A copy of the procedure crosswalk or translation table is attached as Appendix F.

In addition to the procedure crosswalk, some recoding was done prior to assignment of RBRVS. New codes are being added for physician visits, and the values appearing in the RBRVS were for the new codes. The computer program for assigning the RBRVS to procedures contains the mapping from the old to the new visit codes. A copy of this table is included as Appendix G. These recoded values were not added to each record, since the old visit codes in the record were the ones required for APG groupings.

Limitations of the Data

We have already talked about the CHAMPUS-unique procedure codes, the four-digit diagnosis codes, and the requirement to map these. Analysis of the financial data also must recognize certain assumptions. The most important one is that the CHAMPUS claims were generally expected to have been paid based on the lowest amount of billed charges and prevailing rates. These rates have been computed on historical data and are the amounts allowed for payments of services, unless there is a program or policy governing a claim payment that would take priority over payment by prevailing rates.

Payments under the Partnership Program are an example of this payment exception. Under the partnership program, both external and internal, rates are negotiated between the "Billable MTF' or hospital with financial responsibility for the claim, and the provider of care. For this reason, one cannot assume that

the rates represent true costs or free market prices, since prevailing rates have been established using historical data as a basis of formulation, and since many claims were not even paid based on prevailing rates. Examination of the data revealed that many claims were paid under various programs and demonstration projects. Table 2 displays the categories of programs under which the claims were adjudicated, listed by billable medical treatment facility (MTF) branch of service.

Table 2

<u>Claims for Payment Under Special Programs, by Military Service of Sponsor</u>

SPONSOR'S BRANCH OF SERVICE FREQUENCY PERCENT	SHIP PROGRAM,	PARTNER- SHIP PROGRAM, EXTERNAL	NORMAL	MEDICAID	COOPERATIVE CARE PROGRAM	HOME HEALTH	TOTAL
ARMY	143387	13	520357	1668	1152	6	666583
	7.64	0.00	27.71	0.09	0.06	0.00	35.50
AIR FORCE	91222	2	457841	585	2466	3	552119
	4.86	0.00	24.38	0.03	0.13	0.00	29.40
MARINES	9048	0	129990	278	317	3	139636
	0.48	0.00	6.92	0.01	0.02	0.00	7.44
NAVY	40153	2	477281	698	1301	8	519443
	2.14	0.00	25.42	0.04	0.07	0.00	27.66
TOTAL	283810	17	1585469	3229	5236	20	187778
	15.11	0.00	84.43	0.17	0.28	0.00	100.00

One other data limitation that should be mentioned was the absence of revenue codes or modifiers for the procedure codes.

These revenue codes are very important in the processing of

claims by fiscal intermediaries, since they furnish important data, particularly information on site of service. These revenue codes are included in the CHAMPUS inpatient data, but it is not known whether this is centrally collected for professional services. We only know that it is not part of the data furnished in the QRDF file and is therefore not a part of the study data base.

Data Processing

Data processing was accomplished using an IBM-3090 mainframe computer located at the data processing center at Fort Detrick, Maryland. The programs used for processing were for the most part written in Statistical Analysis Software (SAS). Personal computers were also used for program development and testing and for processing subsets of the data.

Because of the size of the files, tape or cartridge storage was generally used, with the main data base being stored on direct access devices. When complete files were being processed, many times the processing had to be done in steps because of the tremendous work space requirements. The programmers for this project deserve much credit for the ingeneous methods devised to process the large files efficiently.

For APG grouping, APG assignment algorithms are incorporated into a computer program called the APG Grouper. This program uses several subroutines and table lookups for APG assignment.

APG assignment is very similar to the Diagnosis Related Group (DRG) assignment process for inpatient data. However, one major difference is that while only one DRG was assigned an inpatient

record, multiple APGs are assigned visit records, depending on the number and type of services performed.

A magnetic tape containing the APG software programs was provided by 3M Health Information Systems and was loaded onto the Fort Detrick Data Processing Center computer. Accompanying the tape was the notebook version of Ambulatory Patient Groups Definitions Manual Version 1.0 (Averill, Goldfield, McGuire, Bender, Mullin, Gregg, & Steinbeck, 1991). The APG software did not have a general use driver program; therefore, one was written in COBOL to return the desired information from the APG grouper program.

The APG grouper required sequential flat files as input. Since the CHAMPUS professional services files had been created as SAS files, a copy was reconfigured for classification to APGs. Only the data elements required for the grouping process were extracted from the SAS files. Data elements required for grouping are Age and Gender of Patient, Discharge status or disposition, Date of Service, Date of Birth, Diagnosis(es) and Procedure(s). The grouper program would accept up to 27 diagnoses and/or procedures. However, the encounter files were created to contain only up to seven of each. For claims having more than seven procedures or services on a given care begin date, additional encounter records were created with a multiple flag to indicate a set of multiple records.

The APG Grouper software was evaluated for the developers as a by-product of the APG processing for the study. The software

was found to be very efficient, with only very minor changes recommended (Austin, 1991).

For RBRVS assignments, a data file received from HCFA was used that contained the table of RBRVS that appeared in the Federal Register Final Rule (HCFA, 1991a, November 25). These were matched with CPT-4 procedures in the sample file using SAS programs. Additional programming recoded visit procedure codes to the new ones contained in the RBRVS table.

RESULTS

This research has shown that CHAMPUS professional services data can effectively be classified to Ambulatory Patient Groups and be assigned Resource-based Relative Values. Encounter files can be developed from claims data. Additionally, a sample data base has been created that will be amenable to analysis and can be used for further research. Computer programs have been written for forming the data base, developing Encounter files, classifying the data to APGs, and assigning Resource-based Relative Values.

DISCUSSION

Ambulatory Patient Groups (APGs)

APGs were designed to explain the amount and type of resources used in an ambulatory visit (Averill, 1991). Patients in each APG are expected to have similar clinical characteristics and similar resource use and cost. Every patient will not be identical in each APG, but the level of variation should be predictable. Therefore, while the exact resource use of a particular patient cannot be predicted by knowing to which APG he belongs, the average pattern of resource use of a group of patients in an APG can be predicted.

Patients in each APG should also have similar clinical attributes. All available patient clinical characteristics which would be expected to consistently affect resource use are included in the APG definition. Because of this requirement for clinical homogeneous groups, there were more groups formed than would have been necessary had the APGs been developed for explaining resource use alone.

The data elements used to define APGs were limited to the information routinely collected on the Medicare claim form.

Diagnoses (coded in ICD-9-CM), procedures (coded in CPT-4) together with age and sex of the patient are the variables used for grouping to APGs. Additionally, the grouper software uses Disposition of patient, date of service, and patient date of birth for editing grouping conditions.

Restricting the patient characteristics used in the definition of the APGs to those readily available insures that the APGs can be used as the basis of an ambulatory prospective payment system. Creating APGs based on information that is only collected in a few settings or on information which is difficult to collect or measure would have resulted in a patient classification scheme with limited applicability.

As mentioned previously, the initial classification variable in both DRGs and AVGs is principal diagnosis. The principal diagnosis is used to classify patients into a set of mutually exclusive Major Diagnostic Categories (MDCs). Within each MDC, procedure, age and complication and comorbidities are used to complete the patient classification scheme. APGs instead use a slightly different approach, i.e., the procedure is the initial classification variable. In the Final Report on the APGs (Averill, et al., 1990), developers explained their reasons for choosing procedure as the first classification variable:

When a significant procedure is performed in an ambulatory setting, it is normally the reason for the visit. The procedure will normally be scheduled in advance and consume the vast majority of resources associated with the visit.

With procedure as the initial classification variable, each procedure will be assigned to only one APG. With principal diagnosis as the initial classification variable, the same procedure could be assigned to many different APGs depending on the MDC of the principal diagnosis. Having each procedure in only one APG reduces the number of APGs and simplifies the establishment of prospective prices.

There are several RVU (RVU) scales available for CPT-4 procedures. With procedure as the primary classification variable, the RVU scales can be used directly in the formation of the initial procedure classes.

The CPT-4 procedures were combined into four groups, defined as significant outpatient procedures, minor outpatient procedures, incidental outpatient procedures, and ancillary procedures. These groups are mutually exclusive and exhaustive, and were based on whether or not the procedure is normally scheduled, whether it constitutes the reason for the visit, and whether it dominates the time and resources expended during the visit. (See Appendix H for definitions of the four type of procedure categories.) Procedures believed to be performed only on an inpatient basis were excluded from the APG groupings. Patients with a significant ambulatory procedure are assigned to procedure APGs, while those with only minor, incidental and ancillary procedures are assigned to medical APGs.

Body systems were used by the APG developers to form groups of procedures. The procedures in each body system generally correspond to a single organ system and are associated with a particular medical specialty. This grouping methodology is similar to the DRG and AVG groupings, but there are also major differences. One example is the body system for skin and subcutaneous tissue. In the APG algorithms, this includes muscle, whereas muscle is in the musculoskeletal Major Diagnostic Category for DRGs and AVGs. The body systems for the significant ambulatory procedures are shown in Table 3.

Table 3
Significant Procedure APG Body Systems

Category	Description		
1	Skin, subcutaneous tissue and muscle		
2	Breast		
3	Bones, joints and tendons		
4	Respiratory, nose, throat and mouth		
5	Circulatory		
6	Lymphatic		
7	Digestive		
8	Urinary		
9	Male reproductive		
10	Female reproductive		
11	Nervous		
12	Eye		
13	Ear		

Once each significant ambulatory procedure was assigned to a body system, the procedures in each body system were further categorized by clinical attributes. The classification variables considered in the formation of the procedure classes were: site (face, hand, etc.); extent (excision size: 2 cm. vs. 20 cm.); purpose (diagnostic or therapeutic); type (incision, excision or repair); method (surgical, endoscopic, etc.); device (insertion or removal); medical specialty (urology, gynecology, etc.); and complexity (time needed to perform procedure).

In general, method was used as the primary classification variable for the significant procedures. It was recognized that different methods (such as surgery, endoscopy, manipulation, dilation, catheterization, laser or needle) often require different types of rooms, equipment, supplies, and amount of time required to perform the procedure.

The process of forming procedure groups resulted in 145 significant procedure APGs. Each significant CPT procedure code is assigned to a single procedure APG. If a patient has multiple procedures, then the patient may be assigned to multiple APGs. If the procedures are all in the same APG, then only one APG is assigned the patient. If there are procedures in different APGs, then an APG exclusion list is used to determine if multiple APGs will be assigned. For example, if there are two procedures performed, and one procedure is assigned to the APG for simple skin incisions and the second procedure is assigned to the APG for complex skin incision, then the patient will be assigned only to the complex skin excision APG.

The APG exclusion list identifies, for each APG, other APGs that can be performed with relatively little additional effort and, therefore, do not significantly increase resource use. For example, complex skin incisions exclude both simple skin excisions and nail debridement APGs. Conversely, unrelated procedures are not excluded by the APG exclusion list. For example, the treatment of a closed fracture and the suturing of a skin lesion would result in two APGs being assigned to the patient. The assignment of multiple APGs to a patient is in contrast to procedure DRGs and AVGs which assign a patient to a single procedure DRG or AVG based on a procedure hierarchy that is associated with the MDC of the patient's principal diagnosis.

If all cases of multiple procedures were assigned to a single APG, then there would be an incentive to have patients make separate visits for each procedure. The assignment of

multiple APGs, when appropriate, reduces the financial incentive for multiple visits.

Medical APGs describe patients who do not have a significant procedure performed but receive other medical services during the visit. While the treatment for significant procedures is usually very precise, the treatment received under the medical APGs can vary substantially according to the condition being treated and the severity of the illness. The medical APGs are also grouped on body systems, lending clinical homogeneity to the groupings. The medical APGs are based on ICD-9-CM diagnosis codes. Classification variables used in forming the medical APGs were etiology (trauma, malignancy, etc.), body system, type of disease (acute or chronic), medical specialty, patient age (pediatric, etc.), and complexity (time needed to treat patient). Patient type (old vs. new) was considered as a possible variable; however, that variable was not used since there is difficulty in establishing a precise definition for new patient, the impact on resources of whether a patient was new or established would be expected to vary by setting, and the data element new vs. established patient is not currently collected on the claim form. There were a total of 80 medical APGs formed.

Medical patients are initially divided into the following subgroups based on the etiology of the patient's disease: Well care and administrative, Malignancy, Trauma, Poisoning, Mental diseases, Alcohol and drug abuse, Pregnancy, Neonate, and Other etiology.

In addition to the significant procedure and medical APGs, there are 23 laboratory, 20 radiology, 2 pathology, 1 anesthesia, 15 ancillary tests and procedures, 8 incidental procedure, and 3 chemotherapy drug APGs. These APGs normally do not constitute the reason for the visit but do represent an additional cost.

Application of APGs to CHAMPUS PSCS Data

The sample file of 176,868 encounters was grouped to Ambulatory Patient Groups. The grouper assigned an APG for every CPT-4 procedure code, in addition to assignment of a medical APG for those encounters classified as medical. There were 130,010 encounters, or 73.5 percent, assigned a medical APG. Encounters containing a significant procedure APG did not have a medical APG assigned, although they often also had ancillary APGs assigned.

Most of the APGs were used in the grouping process. Table 4 shows the APGs that had zero frequencies in the initial grouping process. There were several reasons why these APGs were not used.

In some APGs, CHAMPUS fiscal intermediary payment policies affected the data and consequently the assignment of APGs. For example, CHAMPUS directs that the anesthesia codes 00100-01999 and 99100-99140 from CPT-4 not be used, but rather that anesthesia charges be reported under the surgical procedure code with the provider specialty coded as anesthesiology or anesthetist, as appropriate.

Some APGs were not used because of the mapping algorithms used for procedures. The maps were developed using 1990 CPT-4

codes, but the software was written using the 1988 revision of CPT-4 that applied to coding of data beginning January 1, 1989 (Barbara Steinbeck, personal conversation, 1991, May 22). This difference explained the absence of encounters in APG 131, Chemotherapy by infusion. There were almost five hundred encounters in the data, but they had been mapped to the new procedure codes rather than the ones required by the grouper software.

Table 4

Ambulatory Patient Groups With Zero Frequencies, Initial Grouping, CHAMPUS Sample Encounter File

CHAMP	os sample Encounter File
APG	TITLE
131	Chemotherapy by infusion
347	Hyperthermia
365	Anesthesia
500	Class I chemotherapy drugs
501	CLASS II chemotherapy drugs
502	CLASS III chemotherapy drugs
602	Prostatic malignancy
603	Lung malignancy
631	Head and spine injury
654	Individual support trmt. for senility, dementia, ment. ret.
656	Comprehensive psychiatric evaluation and treatment age > 17
657	Comprehensive psychiatric evaluation and treatment age 0-17
658	Family psychotherapy
659	Group psychotherapy
664	Comprehensive therapy for drug abuse with mental illness
669	Family therapy for drug abuse
670	Group therapy for drug abuse
676	Neonate and congenital anomaly
691	Routine prenatal care
693	Routine postpartum care
694	Maternal postpartum complication
723	Sexually transmitted disease in males
736	TIA, CVA & oth cerebrovascular events
751	Cataracts
827	Major signs, symptoms and findings
872	Obesity
932	Aids related complex & HIV Infection with complications
946	Adult medical examination
948	Counseling
950	Repeat prescription

APGs 500 through 502 are for Chemotherapy drugs, classes I, II, and III. Although CHAMPUS does have data for those APGs, they are not included in the professional services data used for this study. There are separate files for drugs in the Triservice CHAMPUS Statistical Data Base.

Many of the visit encounters received the error APG 999, with an error code indicating that a visit code was not found. Although these encounters did have a visit coded, a search of the Definitions Manual revealed that the code '90000', for "Office Medical Service, new patient, brief service" was the only visit code included in the APG software to satisfy the visit code requirement for medical APG assignments.

To determine whether the records containing a visit code would have grouped properly had they been coded "90000' for the visit, the data were adjusted by adding a procedure code "90000" for any record containing visit codes 90010 through 90699. A second pass of the data was made, and this time only 10 APGs had zero frequencies. Table 5 shows the APGs with zero frequencies in the second pass of the data, and the reasons for nonassignment to those APGs.

Analysis of these APGs revealed that for mental health visits to group to the mental health APGs, they also needed the "90000" visit code. The procedure codes in the CPT-4, 908xx series were used in the data for mental health visits. These ranges of codes were not included in the adjusted processing when the additional '90000' visit code was added to the data.

By further adjusting the data to include the '90000' visit code for mental health visits and APG 950 (Repeat Prescription), changing the CPT-4 codes from the 1990 version to the 1989 version, and retrieving the drug data from additional files, all of the APGs would be used except two. APGs 347, Hyperthermia, and 365, Anesthesia, would remain empty for lack of data.

Table 5

<u>Ambulatory Patient Groups With Zero Frequencies in Adjusted CHAMPUS Sample Encounter File</u>

APG	TITLE	REASON FOR ZERO FREQ.
131	Chemotherapy by infusion	1990 CPT codes in data; 1989 CPT codes in grpr.
347	Hyperthermia	True zero frequency in data.
365	Anesthesia	Zero frequency in data; anesthesia costs coded using surgical procedure code.
500	Class I chemotherapy drugs	Not included in data files used.
501	CLASS II chemotherapy drugs	Not included in data files used.
502	CLASS III chemotherapy drugs	Not included in data files used.
664	Comprehensive therapy for drug abuse with mental illness	Did not have '90000' visit code.
669	Family therapy for drug abuse	Did not have '90000' visit code.
950	Repeat prescription	Did not have '90000' visit code.

As mentioned earlier, there are many valid CPT-4 codes for visits, but the Grouper software was written to only recognize the 90000 as a valid visit code. Discussions with APG developers revealed that this code was a "place holder" until the appropriate range of visit codes could be agreed upon by developers and Health Care Financing Administration investigators (B. Steinbeck, personal communication, 1991, May 22). It is recognized that there is extreme variability in the coding of visits, and that this problem must be addressed as part of the physician payment reform initiative currently taking place. The ambiguity and lack of precise definitions in the visit codes used during the period of the study data allowed for erroneous "upcoding" of visits for inexperienced coders or unscrupulous providers. Even experienced coders and providers sometimes have difficulty in selection of codes for visits.

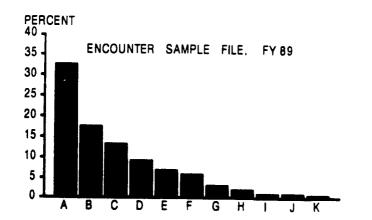
At any rate, rather than have a large number of "ungroup-able" encounters with the error APG 999 assignment, it was decided to adjust the sample data by adding an eighth procedure code '90000' to every encounter that had a visit already coded. This adjustment enabled the data to be grouped by the software according to the schematics in the Definitions Manual.

Appendix I contains a complete listing of the APG frequencies from both the initial and the second APG assignments. The "FREQ" and "PERCENT" columns show the results of the first grouping of the data. The last two columns, ADJUSTED FREQ and PERCENT, show the frequencies after the "90000" visit code was added for encounters that had a visit code 90010 through 90699 coded.

The number of procedures that were ungroupable (APG 999) decreased from 27.8 percent to 12.3 percent. It was decided that expansion of the range of codes to include mental health visits for assignment of the "90000" visits would be necessary to further decrease ungroupables.

It is important to note here that the percents shown in the table at Appendix I apply to the individual procedures and not to encounters. In many cases an encounter was assigned a "999" for a medical APG, but received a good APG for the procedural APGs. The frequency distributions in Appendix I are the sum of all APGs on the encounters. For encounters having a medical APG assigned, each encounter also has one APG for each CPT-4 code on the encounter. Those encounters containing procedure or ancillary APGs without a medical APG would have the same number of APGs assigned as the number of procedures coded. Figure 5 shows the frequencies of categories of APGs when all medical and procedural APGs are aggregated, prior to any consolidation or ancillary packaging.

<u>Figure 5.</u> APG Category Frequencies Prior to Consolidation and Ancillary Packaging



AMBULATORY PATIENT GROUPS

- PROFESSIONAL SERVICES
- B MEDICAL APGS
- C LABORATORY
- D SIGNIFICANT PROCEDURES
- E MENTAL HEALTH PROCEDURES
- F RADIOLOGY
- G ANCILLARY TESTS
- H ADMITTED OR DIED
- I PATHOLOGY
- J WELL CARE & ADMINISTRATIVE
- K THERAPEUTIC RADIOLOGY

Both the medical and procedural APG 999's (error APG) were reviewed. After the final APG grouping there were 17,870 records that had either a medical or procedural APG of 999. Many of the encounters also had valid APGs assigned for other procedures on the same encounter. There were 3,166 encounters, or 1.79 percent of the sample file, that did not have either a valid medical or procedural APG assigned.

The major reason for assignment of the APG 999 error was for inpatient procedures. In the grouping, software procedures are checked against a table of procedures that are considered "inpatient procedures", and if they find a match they receive the APG 999. The majority of the procedures in the sample encounter file that received APG 999 with the inpatient procedures error were for critical care, for Cesarean Sections, or for visits to hospital or skilled nursing facilities. Hospital or skilled nursing facility visits constituted approximately 80 percent of the inpatient procedure errors. Some of the Cesarean Section codes include antepartum and postpartum care; therefore, a portion of the claim was for ambulatory care although the specific procedure is usually done on an inpatient basis.

The hospital visit codes possibly should be deleted from the inpatient procedures list. If the new physician fee schedule being phased in for Medicare covers professional services performed in office settings, and if APGs are used for facility payments, then hospital outpatient department visits probably should receive an APG and be paid under facility payment guidelines. Under the current APG algorithms they do not group to the

proper APG but receive the APG 999. Therefore under current methodologies they could not be paid under either system.

The significant procedure APG assignment takes place as the first part of the grouping algorithm. Therefore, there are no significant procedure APGs on records assigned a medical APG.

In the sample file there are sixty-four APGs used on medical APG records that are from the ancillary and incidental procedure APG list. In fact, the only ones from those categories not appearing on medical APGs were APGs 343, 344, 347, 365, 418, and 500-502. APGs 343 (Therapeutic nuclear medicine by injection), 344 (Radiation therapy), and 347 (Hyperthermia) are radiological APGs that are treated as significant procedures by the grouper algorithms. APG 418 is a laboratory procedure (human tissue culture). APGs 500-502 are the chemotherapy drug APGs mentioned earlier that are not found in the study data.

Some of these APGs did have frequencies on other than the medical APG records; that is, they were either used with significant procedure APGs, other incidental or ancillary procedure APGs, or used alone on a record. Therefore, APGs were assigned before the medical groupings took place.

Just as in inpatient coding under DRGs, there must be some mechanism for recognizing upcoding or fragmentation, or situations when multiple codes are used for component parts of a procedure rather than the appropriate single encompassing procedure code. Two sets of variables are returned by the grouper software to help remedy this problem. A consolidation flag indicates the procedures that are recommended for consolidation

with other procedure codes in the encounter. An ancillary packaging flag indicates for every ancillary procedure whether that service should be packaged with other services being provided.

Application of the consolidation and packaging flags reduces the APG frequencies, even eliminating some APGs completely. For example, by applying the consolidation flag, all professional services visits, APG 469, would be consolidated with other APGs, and APG 469 would have zero frequency. A final APG frequency was compiled by applying both the consolidation and the ancillary packaging flags. This frequency is portrayed in Appendix J, and this listing more realistically describes the grouping to APGs. Table 6 shows the highest frequency APGs after consolidation.

Table 6

Highest Frequency APGs after Consolidation and Ancillary Packaging

APG	APG TITLE	COUNT	FREQUENCY
54	PHYSICAL THERAPY	2780	1.50
351	PLAIN FILM	7457	4.02
426	SIMPLE CHEMISTRY TESTS	3241	1.75
436	SIMPLE HEMATOLOGY TESTS	2655	1.43
633	FRACTURE, DISLOCATION AND SPRAIN	2934	1.58
655	PSYCHOTROPIC MEDICATION MANAGEMENT AND B	3664	1.97
656	COMPREHENSIVE PSYCHIATRIC EVALUATION AND	8104	4.37
657	COMPREHENSIVE PSYCHIATRIC EVALUATION AND	4377	2.36
767	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	4063	2.19
768	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	10515	5.67
769	ACUTE NONINFECTIOUS EAR, NOSE AND THROAT		
781	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA		1.44
797	HYPERTENSION	4140	2.23
800	CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHEM	2656	1.43
817	OTHER GASTROINTESTINAL DISEASES	3047	1.64
842	MUSCULOSKELETAL DISEASES EXCEPT BACK DIS	6023	3.25
860	OTHER SKIN DISEASES	5584	3.01
916	FEMALE GYNECOLOGIC DISEASE	3906	2.10
947	WELL CHILD CARE	2504	1.35
951	NONSPECIFIC SIGNS & SYMPTOMS & OTHER CON	3716	2.00
959	ADMITTED OR DIED	13796	7.43

The mental health groupings under the incidental procedures were subsumed by the medical mental health APGs when the consolidation and ancillary packaging flags were applied. The incidental mental health APGs were assigned based on the presence of a procedure code from the CPT-4 Psychiatry section (908xx series). This is really an intermediate step prior to assignment of a medical APG. The medical mental health APGs are grouped based on a mental health diagnosis and/or CPT-4 procedure. The medical mental health APG is the one not consolidated or packaged, but the mental health incidental procedure APG intermediate groupings can provide valuable information. For example, if the interest is only in psychiatric therapeutic procedures, then the incidental procedure APGs would have that information.

In Table 7 below, the APG frequencies by broad categories are presented, both before and after consolidation. While some procedures are always packaged or consolidated, others are dependent upon the combination of other procedures or services furnished. This is why APGs can't effectively be assigned on individual services, but must be assigned in consideration of all other services provided during an encounter. Additionally, weights must be calculated only on procedures that are exclusive of other procedures or services, or in the case of episode weights such as for pregnancy and delivery, they must be inclusive of all services furnished.

Table 7

Frequency of Ambulatory Patient Group Categories Before and After Consolidation and Ancillary Packaging

	RIOR TO CONSOLIDATION ANCILLARY PACKAGING		AFTER CONSOLIDATION & ANCILLARY PACKAGING		
APG CATEGORY	FREQUENCY	PERCENT	FREQUENCY	PERCENT	
Professional Svcs	202,589	35.1	0	0.0	
Medical APGs	108,975	18.9	108,975	47.8	
Laboratory	81,858	14.2	32,883	14.4	
Significant Procedure	s 56,989	9.9	41,451	18.2	
Mental Health Service	s 41,888	7.3	0	0.0	
Radiology	36,737	6.4	19,695	8.6	
Ancillary Tests	19,056	3.3	1,604	0.7	
Admitted or Died	14,090	2.4	14,090	6.2	
Pathology	7,362	1.3	2,485	1.1	
Well Care & Admin	6,945	1.2	6,945	3.0	
Therapeutic Radiology	939	0.2	0	0.0	

One problem in consolidation or packaging of procedure APGs as flagged by the APG software is that there is no indication as to which other procedure a procedure should be packaged with. According to the <u>Definitions Manual</u> (Averill et al., 1991), there is a significant procedure hierarchy, and if more than one significant procedure appears on the encounter for the same condition, then the one requiring the most resources would be the unconsolidated, with the other significant procedures flagged for consolidation. With the assumption that generally there would only be one unconsolidated significant procedure on an encounter,

we have combined any payments for consolidated or packaged procedures with the payments for the first non-flagged significant procedure found in the encounter.

For the medical APGs, the payments for all procedures flagged for consolidation are combined for the medical APG payment. Any procedures for tests or ancillary services that were not flagged for consolidation are counted separately, with their payments separate from the medical APG.

There were a total of 130,010 encounters assigned a medical APG. This represented 73.5 percent of the sample file. Each encounter averaged 1.7 procedures. Table 8 shows the categories of procedures found on the medical APG encounters, together with the number consolidated or not consolidated.

Table 8

Medical APG Consolidation

CATEGORY & CONSOLIDATION N	UMBER PROCEDURES	AMOUNT ALLOWED
CONSOLIDATED PROCEDURES:		
Medical	156,863	\$7,036,467
Radiology	12,392	795,905
Pathology	35,999	746,426
Total Consolidated	205,254	\$8,578,798
NON-CONSOLIDATED PROCEDURES:		
Medical	12,290	\$1,384,048
Radiology	1,875	255,591
Pathology and laboratory	4,696	149,142
Total Not Consolidated	18,861	\$1,788,781
TOTAL MEDICAL APG Procedures	224,115	\$10,367,579

All physician visits were included in the medical procedures category. Because they are all flagged for consolidation, they comprise the largest category for consolidation. Although most of the procedures are flagged for consolidation, if you consider that this sample file is only two percent of the FY 1989 file, there would be approximately \$90 million paid for the procedures not consolidated in addition to approximately \$429 million for the medical APGs. Again, these are only the medical APG encounters.

Statistical Behavior of APGs

Statistical testing of the data was performed for the complete sample data set, as well as the medical APGs and the procedural APGs separately. The consolidation and ancillary packaging flags returned by the APG grouper software were applied for some tests. The medical and significant procedure APGs were mutually exclusive. However, either could also have incidental or ancillary APGs assigned to the encounter.

For the medical APGs, the amounts allowed for each procedure were summed to compute a price per APG, with the exception of amounts allowed for ancillary or incidental APGs not having a flag indicating consolidation or ancillary packaging. This was also true for the ancillary procedures with the procedural APGs; the amounts allowed for APGs flagged for consolidation or ancillary packaging were added to the significant procedure APG amount allowed in the encounter. The amount allowed for all unconsolidated or unpackaged ancillary or incidental procedures was

assigned to that APG and used with the medical and significant procedure groupings for statistical testing.

Coefficients of variation were computed for both the procedural and the medical APGs after the consolidation process. The purpose of computing coefficients of variation was to assess the homogeneity of the APG groups. Coefficients were first computed using every unconsolidated APG. However, upon examination it was evident there were aberrant observations causing unacceptable variability within the groups. These data were then trimmed to three standard deviations from the mean, which will in a normal distribution include about 99.7% of the data. New coefficients of variation were then computed, and this resulted in a marked improvement in homogeneity of the groups. These coefficients are presented in Appendix K. Table 9 lists by APGs the smallest and largest coefficients of variation found in the trimmed data.

A General Linear Model (GLM) was used to determine how well the APG system did in explaining amount of variability in the dollar "amount allowed". The GLM procedure used is a packaged procedure in the SAS computing library.

The R-squares computed separately for the procedure APGs were very high, particularly after trimming the data to three standard deviations. Variation accounted for within the medical APGs was not as high, but still, considering the small number of groups, would be a more preferable tool for analysis than using existing methodologies such as coded diagnoses or procedures. Table 10 shows statistics after the various testing strategies.

Table 9

APG Coefficients of Variation, Largest and Smallest

APG	APG TITLE	COUNT	MEAN	CV
LAR	SEST CVS:		···	
	INTRODUCTION OF NEEDLE AND CATHETER			2.41
605	MALIGNANCY EXCPT HEMATO, PROSTATIC, LUNG, SKN	1428	104.63	1.74
751	CATARACTS	248	80.97	1.66
417	TISSUE TYPING	99	20.52	1.61
771	HEARING LOSS		60.39	
604	SKIN MALIGNANCY		72.41	
	RENAL FAILURE	95	135.15	1.41
212	SIMPLE PENILE PROCEDURES		121.92	
	TIA, CVA AND OTHER CEREBROVASCULAR EVENT			
	PROSTATIC MALIGNANCY		88.54	
796	CONGESTIVE HEART FAILURE & ISCHEMIC HEART	989	90.66	1.29
738	CENTRAL NERVOUS SYSTEM DISEASES EXCEPT T	2082	94.51	1.27
SMAI	LLEST CVS:			
667	COMPREHENSV THERAPY FOR DRUG ABUSE WO MENT	241	75.80	0.30
359	MYELOGRAPHY	29	250.21	0.29
290	COMPLEX LASER EYE PROCEDURES	32	983.30	0.28
165	MYELOGRAPHY COMPLEX LASER EYE PROCEDURES THERAPEUTIC LOWER GI ENDOSCOPY	71	1008.25	0.26
439	LITHIUM LEVEL MONITORING	32	17.15	0.25
657	COMPREHENSV PSYCHIATRIC EVALUATN, TRMT, 0-17	4253	79.87	0.25
	SIMPLE LASER EYE PROCEDURES		810.53	
669	FAMILY THERAPY FOR DRUG ABUSE	20	63.28	0.24
656	COMPREHENSV PSYCHIATRIC EVALUATN, TRMT, >17			
84	COMPLEX ENDOSCOPY OF THE LOWER AIRWAY	15	463.41	0.19
			75.79	

Analysis of the variation in CHAMPUS professional services data classified by APGs confirmed that the APG methodology is a more superior grouping method than aggregation by traditional groupings such as ICD-9-CM chapters, three-digit ICD-9-CM code rubrics, CPT-4 procedure codes, or other grouping techniques previously used for this type of analysis.

Table 10

<u>Encounter Sample File Statistics</u>

	R-square	Coefficient of Variation
Untrimmed data, no consolidation or ancillary packaging		
Procedure and Ancillary APGs	.43	1.91
Medical APGs	.04	1.96
Trimmed data, no consolidation or ancillary packaging		
Procedure and Ancillary APGs	.59	1.53
Medical APGs	.15	0.87
Trimmed data, eliminating APGs flagged for consolidation, ancillary packagi		
Procedure and Ancillary APGs	.66	1.42
Medical APGs	.17	1.14
All APGs	.62	1.34

The APGs were designed to provide a flexible method for developing ambulatory resourcing strategy. The grouping software not only provides the groupings or classification system, but also provides the algorithms for bundling or packaging of services. The system has been designed, however, so that these algorithms can be changed or implemented as policies dictate, and are completely separate from the classification system. Allowing multiple APG assignments allows the bundling routine to determine which APGs will be used to establish resource allocation.

There is a continuum of bundling options that could be employed. An episode of illness approach to bundling with capitation could very well be the next step in the evolution of the bundling of ambulatory services. The degree of bundling that is

acceptable is a policy decision, and again, should be unique to military missions and considerations.

During the formation of APGs, charge data was used to reflect the relative needs of patients. The number of visits and ancillary services consumed by patients idealistically depends on their needs. However, ambulatory charge data are highly influenced by RVU scales. Thus, ambulatory charges for a procedure do not necessarily reflect the actual needs or complexity of an individual patient but are based on the established RVU for the procedure. APG developers recognized this, and in forming the APGs, realized it was necessary for the clinical team to make judgments on whether observed charge differences across different procedures reflected real differences in the resources required to perform the procedure or the bias of the established RVU scales. Although statistical results from charge data often simply reflect the established RVU scales, this influence is diminished to a degree in the CHAMPUS professional services ambulatory data because the APG developers tried to work around this situation. Any interpretation of statistical findings, however, must take this into consideration.

Resource-Based Relative Value System (RBRVS)

In Phase I of the RBRVS research, the Harvard team identified the physicians work relative value unit (RVU) as the heart of the RBRVS. A physician's work consists of pre-, intra-, and post-service work. Vignettes, or descriptions, of physicians services for 372 services covering 18 specialties were

constructed. A national random sample of approximately 3,300 physicians (approximately 185 in each specialty) were surveyed on intra-service work resource inputs. Intra-service work was defined in terms of the physician's work, time, and intensity. Intensity consists of technical skill and physical effort, mental effort, and stress. A technique called Magnitude Estimation was used for the survey; each dimension was rated in reference to a known service using a ratio scale. The data from the survey was then used to calculate both pre- and post-service work to yield a total work value for each surveyed service.

Using a panel of physicians in each specialty, the specialty scales were linked by identifying either same or similar services between specialties. This reduced 18 specialties to one common scale without changing the relationships within the specialties.

The 372 unique physician services representing 200 CPT-4 codes were investigated through the survey process. The Harvard team used the survey results to extrapolate the total number of services to 1400 by identifying small families of sevices, with the assumption that charges within these families bore a reasonable relationship to the relative work value within such families. A benchmark service that had been surveyed was then selected from each family of services. Ratios were calculated of charges between this service and non-surveyed services in the same family, and the work values of the surveyed services was multiplied by this ratio to get the extrapolated work value for the non-surveyed services. These sevices represent 1,200 unique CPT-4

codes. By adding modifiers, the total number of CPT codes covered was increased to 1,400 (HCFA, 1991, June 5).

Findings from Phase I indicated that evaluation and management services are compensated at a lower rate relative to resource costs than are invasive, imaging, and laboratory services. In general, it appeared that evaluation and management services are compensated two to three times less than the rate of invasive services, whether performed by surgeons, internists, or family practitioners. The Harvard team further investigated these issues in Phase II of their study.

The second phase of the RBRVS research was undertaken to address the shortcomings identified in Phase I and to expand the scope of the study to include 15 additional medical and surgical specialties plus the resurveying of seven Phase I specialties. A major team emphasis in Phase II was dealing specifically with the refinement of processes used in cross specialty linking, extrapolation from surveyed to non-surveyed services, and pre- and post-survey work estimates. While incorporating the refinements, the Harvard team developed an additional 753 vignettes covering the 22 specialties that account for 409 CPT codes. The Harvard team, in total, surveyed 33 specialties.

RBRVS researchers reported that one of the most difficult parts of the study was to place the different specialties on a common scale, i.e., cross specialty alignment. In Phase II, the 22 specialties were linked into one common scale by three distinct specialty panels. The links were weighted by the variance to refine the quantitative method of connecting the links. This

process gave greater weight to links with the least variance. The Harvard team extrapolated the work values of 409 unique services to more than 2,700 by the end of Phase II.

One of the issues that was reevaluated was the measurement of pre- and post-service work. In the first phase, pre- and post-service work was found to represent almost fifty percent of total work of invasive services and about thirty-three percent of evaluation and management services. One criticism of this finding was that there was insufficient data for these findings, too many assumptions made, and no validation of findings. In the second phase the Harvard team obtained a number of direct estimates of pre- and post-service work. Of 46 ambulatory invasive services, over two-thirds were directly surveyed. More than 75 in-hospital surgical services were directly surveyed and estimates obtained on pre- and post-service work. In additon, the Harvard team supplemented their survey data by obtaining estimates of pre- and post-service work from the technical consulting groups and expert panels from general surgery and opthalmology.

By the end of Phase II, the team had developed 5,752 relative values representing over 4,150 CPT-4 codes. While this represents 85 percent of the Medicare dollars (Hsaio et al., 1990), it represents a smaller percentage of CHAMPUS dollars, since the high-volume procedures in the Medicare and CHAMPUS data sets are quite different. At any rate, the number of values assigned was further expanded in Phase III, and the Phase II and Phase III values are those included in the Final Rule as published in the Federal Register for Medicare payment of

physician services beginning January 1, 1992 (HCFA, 1991, November 25).

Under Section 6102 of Public Law 101-239, the Omnibus Budget Reconciliation Act of 1989 amended Title XVIII of the Social Security Act (the Act) by adding section 1848. One major element of the new section is the replacement of the reasonable charge payment mechanism with a fee schedule for physicians'services. The Medicare fee schedule being implemented on January 1, 1992 by HCFA will "apply to physician services; services of limited licensed practitioners, diagnostic test other than clinical diagnostic laboratory tests; diagnostic and therapeutic radiology services; and physical and occupational therapy" (HCFA, Nov 25, Even though they are not specifically covered by the fee schedule, non-physician practitioners' payments will be based on fee schedule amounts. For example, physician assistants will be limited to 65 percent of the fee schedule amount for assistant-at-surgery charges, 75 percent of the fee schedule amount for services furnished in a hospital, and 85 percent of the fee schedule amount for all other services. Since Section 1848(c)(6) of the Act prohibits the Secretary from imposing different RVUs or a different conversion factor (CF) for physicians' service based solely on the specialty, optometrists, dentists, oral and maxillofacial surgeons, podiatrists, and chiropractors will apply the fee schedule the same way physicians do but as limited licensed practitioners. A site of service differential of 50 percent of the practice RVU will apply to some office based services when the service is provided in a hospital

outpatient department. The specific services are listed in Addendum F of the November 25, 1991 Federal Register (Final Rule). Supplies and service incident to a physician's service are being incorporated into the practice expense RVU.

Addendum G of the Final Rule lists the procedures for which an additional amount for supplies may be payable if performed in a physician's office. Durable medical equipment (DME) will continue to be reimbursed under the prevailing charge methodology as determined by the local carrier. Since Public Law 101-508 does not allow separate payment for EKG interpretations by physicians, HCFA has increased the visit RVUs to include an allowance for the EKG interpretations.

Section 1848(b)(1) of the Act requires the fee schedule to be computed as the product of three factors: (1) A relative value for the services, (2) the Geographic Adjustment Factor (GAF), and (3) a nationally uniform conversion factor. The relative value for services is comprised of three components: physician work, practice expenses (overhead costs such as rent, staff salaries, equipment, and supplies, and professional liability insurance or malpractice costs). The Final Rule states, "Section 1848(c)(1) of the Act defines the components of the RVU for a physician service. The physician work RVU must reflect the physician resources required to furnish the service, including time and intensity of effort. Under the formula specified at section 1848(c)(2)(C), the practice expense and malpractice RVUs are based on historical data for practice expense as a fraction of total physician revenue, weighted by specialty, applied to

estimated 1991 average allowed charges under the customary, prevailing, and reasonable charge methodology. Separate gcc-graphic practice cost indices (GPCI) have been developed for each fee schedule component to accommodate the statutory requirement for the GAF.

The component RVU is multiplied by the appropriate GPCI. In effect, each component is separately adjusted by the GPCI specific to that component. The three adjusted component RVUs are then summed to a total RVU for that service. This total RVU is converted to a dollar payment by applying the uniform national conversion factor. The 1992 uniform national CF is 31.001. The sources of each of the elements of the payment formula are covered in detail in the November 25, 1991 Federal Register.

RBRVS and CHAMPUS Professional Services Data

CHAMPUS policies require the use of special purpose procedure codes for the following categories:

- 1. Computed Tomography Scanning Procedures
- 2. Well-Baby Care Procedures
- 3. Outpatient Hospital, Ambulatory Surgical Center, Birthing Center, and Hospital-Outpatient Birthing Room Claims
- 4. Durable Medical Equipment and Medical Supplies
- 5. Osteopathic Manipulative Therapy
- 6. Special Procedural Codes
- 7. Special Statistical Tracking Codes
- 8. Ambulance Service Procedures
- 9. CPT-4 Code Exceptions (Anesthesia)

- 10. Mental Health Procedures
- 11. Eye Examination Basic Program
- 12. Special Program for the Handicapped

 Codes for these categories are listed in OCHAMPUS Operations

 Manual, Appendix J.

A total of 130 CHAMPUS-unique procedure codes were translated from the twelve categories listed above. These CHAMPUS-unique codes were first crosswalked to the CPT-4 code. Additionally, for office visit codes, a translation was also made to the new 1992 codes presented with the physician fee schedule. The visit codes were translated twice for two reasons. First, the CPT-4 codes used for visits in FY 1989 are those required for APG analysis. Second, to insure an accurate audit trail exists for code translations, the CPT-4 codes would need to appear as the old codes listed in the translation table presented on pages 59580-59581 in the Federal Register (HCFA, 1991, November 25).

One of the problem areas in the data was the inability to determine sites of service in many instances. No modifiers were included in the data files, which is contrary to most claims data bases. It would have been very helpful to have been able to separate facility and professional services based on modifiers.

Some of the procedures that were crosswalked have large ranges associated with their amounts allowed. Sixty-two, or almost fifty-two percent of the CHAMPUS-unique codes were crosswalked to CPT-4 procedure code 99070, Supplies and Materials. This procedure represents 6.45 percent (20,892 procedures) of the encounter sample data file. Under the new fee schedule, HCPCS's

procedure code 99070 has a total RBRVS value of 0.00, since the supplies associated with office based procedures will now be included in the practice expense relative value units. In the CHAMPUS data files, after translation of the codes, the 99070 procedure demonstrated high variability when looking at amounts allowed for the service.

Another area requiring consideration is the crosswalking of Anesthesia procedure codes. As discussed previously, CHAMPUS required all anesthesia service claims to be coded under the surgical procedure rather than the CPT-4 anesthesia code. CHAMPUS's anesthesia claims are identified by the provider specialty code rather than the CPT-4 procedure code. The study team is presently addressing different methods that could be used for crosswalking those CPT-4 surgical procedure codes with anesthesia major specialty codes to CPT-4 anesthesia procedure codes. However, because of time constraints and since the number of anesthesia claims are small, this may not be feasible.

HCFA has used the revised CPT-4 Evaluation and Management codes for 1992 in their physician fee schedule. The crosswalk we discussed previously (Appendix G) generally follows the conventions reported in the tables listed under the caption, "Crosswalk for CPT Evaluation and Management Codes New in 1992" in the November 25th issue of the <u>Federal Register</u> (1991). There were minor issues that arose due to HCFA's crosswalk methodology. First, we crosswalked procedure codes 99062 - 99065 (Emergency care facility services, non-hospital based physician) to procedure code 99283 (Emergency department visit for evaluation and

management of a patient), whereas HCFA called for deletion of those codes for physician payment. The data in those codes constituted less than one percent of the Encounter procedures and services.

Additionally, HCFA crosswalked codes to estimate the volume of new visit codes for the conversion factor calculation and to develop practice expense and malpractice expense RVUs for the new evaluation and management codes. This process required assigning a percentage of an old code to a new code for use in the weighted average historical payments methodology for determining practice and malpractice expense RVUs. For example, the old procedure code 90360 (Skilled nursing facility, subsequent care) was reassigned to three new procedure codes by percentages. They are codes 99301 (25 percent), 99312 (50 percent), and 99313 (25 percent). At this time, this methodology has not been adopted for this study. Rather, translation was made from old code to either the new code with the highest percentage, or the best fit based on code description when the percentages were equal.

Generalized policies and rules listed in the CHAMPUS Operational and Policy Manuals were used in assigning the RBRVS units to the CHAMPUS data. One very significant reimbursement policy states that the reimbursable costs for pathology or radiology services furnished to an inpatient are paid as professional components only, since the technical component is reimbursed under the DRG payment (CHAMPUS Policy Manual Volume II, p. 6.1.D.3). Therefore, given an encounter record with an inpatient status code and either a pathology or radiology procedure code,

the RBRVS professional component was applied (if that procedure had a professional component in the fee schedule).

Under the fee schedule, HCFA has determined that there are 59 pathology physician services. The remaining pathology services are considered clinical diagnostic laboratory services that are not covered under the physician fee schedule (HCFA, 1991, November 25, p. 59010). Therefore, given an encounter record with an outpatient status code and a singular occurrence of a pathology or radiology code, the RBRVS code with the total work unit was assigned for that specific procedure.

There were some encounter records with duplicate procedure codes (approximately nine percent). They were found in both the inpatient and outpatient professional services encounter records. These will be investigated further to determine whether they represent bilateral procedures or, in the case of mental health, codes to account for additional increments of time for consultations or therapy visits.

Table 3 in Addendum J of the Operations Manual lists procedure codes used for facility based services. When these codes appeared on an encounter record, all other services listed on this encounter are presumed to be facility based. Analyses completed up to this point have made no attempt to separate facility-based and office-based services, and both APGs and RBRVS values have been assigned for all procedures. However, it is planned to make this separation, and APGs will be evaluated using encounter records containing facility-based procedure codes. The

RBRVS will be evaluated using only the office based professional services.

Excerpts from the RBRVS are attached as Appendix L, demonstrating how modifiers are given with the procedure codes for the technical and professional components. The modifier "26" represents the professional component, and "TC" the technical component. Also included in Appendix L are some of the largest and smallest values for Total RVU. The totals range from a low of 0.10 to a high of 102.64.

RVUs were assigned to 321,659 procedures, or 98.26 percent of the procedures found in the sample file. This assignment accounted for \$26.0 million (97 percent of the dollar amounts allowed).

Not all procedure codes contained in the Medicare fee schedule have a RVU greater than zero. Of the 10,158 procedures listed, 3,226 (31.76 percent) contain total RVU values of 0.00. The reasons that zero values were assigned are defined using status codes in the fee schedule. Status of procedure codes denoted bundling of procedures, carrier priced procedures, deleted procedures, those excluded from the physician fee schedule, non-covered services, deleted visit codes, and procedures excluded for statutory reasons.

Status code "A" (active code) comprises 56.3 percent of the services and 74.1 percent of the dollar volume of the assigned CHAMPUS sample file data. Payments for two groups of procedures (status code "T" for Injections, and status code "Z" for electrocardiograms) are dependent upon where or not a payment is made on

the same day for a visit. If payment is made for a visit, the payment for the injection or electrocardiogram is disallowed because it is included in the visit payment. Electrocardicgrams (status code "Z") and Injections (status code "T") comprise 1.0 percent and 0.5 percent of the services and 1.5 percent and 0.4 percent of the dollar volume respectively. The remaining 41.3 percent for services and 24.9 percent for dollar volume is accounted for by various bundling, exclusions, and carrier pricing rules in the Medicare Program implementation of the fee schedule.

Carrier priced (status code "C"), excluded (status code "E"), and statutory exclusions (status code "X") procedures account for 24.5 percent of the data file. The Medicare fee schedule contains 2,454 procedures listed under these status codes. HCFA requires payments for procedures listed under the three status codes to be determined either individually by the carrier or under the reasonable charge methodology.

Another status code of particular interest is status code
"B" for bundled services. In the sample file, procedures identified with a bundled status account for 15.2 percent of the services and 9.3 percent of the dollar volume. This dollar volume
equates to \$2.4 million. HCFA states that the payment for these
types of service (listed at Appendix N) is included with the
service for which it is incident. As stated in the Federal
Register, (HCFA, 1991, No., 25, p.59631),

An example is a telephone call from a hospital nurse regarding care of a patient. This service is not separately payable because it is included in the payment for other services such as hospital visits.

This particular approach is controversial, especially since the work RVU was developed using time as one of the bases of measurement. The procedures listed in Appendix N require the physician's time as the major component of resources required in performance of the procedure.

CONCLUSIONS

CHAMPUS professional services data, although collected for fiscal adjudication of claims, can be very useful for research purposes if used correctly. The data files are massive, and as such lend themselves very well to classification systems such as Ambulatory Patient Groups.

Encounter files can be developed from the CHAMPUS claims data. Based on beginning date of care, claims can be separated or combined, as required, to portray the array of services provided to a single patient on a given day. Use of encounter files is necessary in order to correctly assign APGs, since medical APGs are assigned not only based on a particular service, but also the presence (or absence) of other services during the visit. The bundling routines that are part of the APG grouping software could not be used on systems where services are separated into individual records. Additionally, to correctly develop weights for the APGs, global billings that cover more than one service will have to be taken into account. This is only possible when the services are aggregated to an encounter.

Certain preprocessing of the CHAMPUS data must take place prior to classification to Ambulatory Patient Groups or assignment of Resource Based Relative Values. Any four-digit diagnosis code that has a valid five-digit expansion category must be mapped prior to application of the grouping software. Additionally, CHAMPUS-unique procedures must also be translated to CPT-4

codes prior to any grouping using currently available classification system software.

Processing of the huge volume of CHAMPUS professional services claims reinforced the notion that data elements collected for ambulatory care data systems should be kept to a minimum. Although the information industry has made tremendous advances in computing technology, there still must be a recognition that a data collection system cannot be all things to all people.

Ambulatory Patient Groups can be effectively assigned to CHAMPUS claims data. More than ninty-eight percent of the Encounter sample file received a valid and appropriate APG assignment. The software is easy to use, and on the trimmed file, APG groupings account for 62 percent of the variation in dollar amounts allowed for the service.

Resource-based relative values can also be effectively assigned to CPT-4 procedures for services in the Encounter file. Almost one hundred percent of the CPT-4 procedures in the CHAMPUS sample file were assigned a Resource Based Relative Value from the physicians' fee schedule. Assessment of the fee schedule in terms of cost shifts between specialties will be addressed in the next project report. Additionally, the global payment methodology afforded by the RBRVS versus payment by unbundled procedures will be evaluated.

Bundling issues enter into both classification of data to
Ambulatory Patient Groups and assignment of Resource Based Relative Values. Decisions would have to be made regarding accepting the bundling as recommended through the APG grouper software,

accepting no bundling of services, or somewhere on a continuium between the two extremes. RBRVS values are 0.0 for the procedures or services for which bundling is being instituted in payment for Medicare physicians' services. Weights for those services would have to be developed if particular bundlings were found to be unacceptable.

CHAMPUS data complements rather than mirrors the direct care system. Although some of the same types of cases are seen in both systems, preventive care was not found to be as predominant in the CHAMPUS data as it is in the direct care system. However, CHAMPUS covers the whole array of disorders and treatments, as evidenced by assignments to all APG categories. Because of the lack of collection of ambulatory data in the direct care system, information from this study can be helpful in planning and policy decisions for the direct care system, so long as differences are recognized.

Ambulatory Patient Groups can be used very effectively for resource allocation or budgeting, as well as case-mix comparisons between providers, departments, facilities, or regions. Weights must be developed, however, that will reflect the resources required to provide the care under CHAMPUS. Additionally, Resource Based Relative Values are already being used in the Medicare system, and likely will soon be used in CHAMPUS, to pay for physicians' services. The combination of Ambulatory Patient Groups, for payment of facility payments, and Resource Based Relative Values, for payment of physicians' services, will provide better tools for analysis and resource allocation.

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APPENDIX A AMBULATORY PATIENT GROUPS

APPENDIX A

Ambulatory Patient Groups

SIGNIFICANT PROCEDURE APGS:

APG TITLE

SKIN, SUBCUTANEOUS TISSUE AND MUSCLE

- 1 PHOTOCHEMOTHERAPY
- 2 SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION
- 3 SIMPLE INCISION AND DRAINAGE
- 4 COMPLEX INCISION AND DRAINAGE
- 5 DEBRIDEMENT OF NAILS
- 6 SIMPLE DEBRIDEMENT AND DESTRUCTION
- 7 SIMPLE EXCISION AND BIOPSY
- 8 COMPLEX EXCISION, BIOPSY AND DEBRIDEMENT
- 9 LIPECTOMY AND EXCISION WITH RECONSTRUCTION
- 10 SIMPLE SKIN REPAIR
- 11 COMPLEX SKIN REPAIR
- 12 SKIN AND INTEGUMENT GRAFT, TRANSFER AND REARRANGEMENT

BREAST

- 27 SIMPLE INCISION AND EXCISION OF BREAST
- 28 BREAST RECONSTRUCTION AND MASTECTOMY

BONE, JOINT AND TENDON

- 53 OCCUPATIONAL THERAPY
- 54 PHYSICAL THERAPY
- 55 DIAGNOSTIC ARTHROSCOPY
- 56 THERAPEUTIC ARTHROSCOPY
- 57 REPLACEMENT OF CAST
- 58 SPLINT, STRAPPING AND CAST REMOVAL
- TREATMENT OF CLOSED FRACTURE & DISLOCATION OF FINGER, TOE & RIB
- TREATMENT OF CLOSED FRACTURE & DISLOCATION EXCEPT FINGER, TOE & RIB
- 62 TREATMENT OF OPEN FRACTURE AND DISLOCATION EXCEPT FACE
- 63 JOINT MANIPULATION UNDER ANESTHESIA
- 64 SIMPLE MAXILLOFACIAL PROCEDURES
- 65 COMPLEX MAXILLOFACIAL PROCEDURES
- 66 INCISION OF BONE, JOINT AND TENDON
- 67 BUNION PROCEDURES
- 68 EXCISION OF BONE, JOINT AND TENDON OF TH
- 69 EXCISION OF BONE, JOINT & TENDON EXCEPT
- 70 ARTHROPLASTY
- 71 HAND AND FOOT TENOTOMY

APG TITLE

BONE, JOINT AND TENDON (CONT)

- 72 SIMPLE HAND AND FOOT REPAIR EXCEPT TENOT
- 73 COMPLEX HAND AND FOOT REPAIR
- 74 REPAIR, EXCEPT ARTHROTOMY, OF BONE, JOINT, TENDON EXCEPT OF HAND & FOOT
- 75 ARTHROTOMY EXCEPT OF HAND AND FOOT
- 76 ARTHROCENTESIS AND LIGAMENT OR TENDON INJECTION
- 77 SPEECH THERAPY

RESPIRATORY, MOUTH, NOSE AND THROAT

- 79 PULMONARY TEST AND THERAPY EXCEPT SPIROMETRY
- 80 NEEDLE AND CATHETER BIOPSY, ASPIRATION, LAVAGE & INTUBATION
- 81 SIMPLE ENDOSCOPY OF THE UPPER AIRWAY
- 82 COMPLEX ENDOSCOPY OF THE UPPER AIRWAY
- 83 SIMPLE ENDOSCOPY OF THE LOWER AIRWAY
- 84 COMPLEX ENDOSCOPY OF THE LOWER AIRWAY
- 85 NASAL CAUTERIZATION AND PACKING
- 86 SIMPLE LIP, MOUTH AND SALIVARY GLAND PROCEDURES
- 87 COMPLEX LIP, MOUTH AND SALIVARY GLAND PROCEDURES
- 88 MISCELLANEOUS SINUS, TRACHEAL AND LUNG PROCEDURES

CARDIOVASCULAR

- 105 EXERCISE TOLERANCE TESTS
- 106 ECHOCARDIOGRAPHY
- 107 PHONOCARDIOGRAM
- 108 CARDIAC ELECTROPHYSIOLOGIC TESTS
- 109 VASCULAR CANNULATION WITH NEEDLE AND CATHETER
- 110 DIAGNOSTIC CARDIAC CATHETERIZATION
- 111 ANGIOPLASTY AND TRANSCATHETER PROCEDURES
- 112 PACEMAKER INSERTION AND REPLACEMENT
- 113 REMOVAL AND REVISION OF PACEMAKER AND VASCULAR DEVICE
- 114 MINOR VASCULAR REPAIR AND FISTULA CONSTRUCTION
- 115 SECONDARY VARICOSE VEINS AND VASCULAR INJECTION
- 116 VASCULAR LIGATION
- 117 CARDIOPULMONARY RESUSCITATION AND INTUBATION

HEMATOLOGIC, LYMPHATIC AND ENDOCRINE

- 131 CHEMOTHERAPY BY INFUSION
- 132 CHEMOTHERAPY EXCEPT BY INFUSION
- 133 TRANSFUSION AND PHLEBOTOMY
- 134 BLOOD AND BLOOD PRODUCT EXCHANGE
- 135 DEEP LYMPH STRUCTURE AND THYROID PROCEDURES
- 136 ALLERGY TESTS AND IMMUNOTHERAPY

APG TITLE

DIGESTIVE

157	ALIMENTARY TESTS AND SIMPLE TUBE PLACEMENT
158	ESOPHAGEAL DILATION WITHOUT ENDOSCOPY
159	PERCUTANEOUS AND OTHER SIMPLE GASTROINTESTINAL BIOPSY
160	ANOSCOPY WITH BIOPSY AND DIAGNOSTIC PROCTOSIGMOIDOSCOPY
161	PROCTOSIGMOIDOSCOPY WITH EXCISION OR BIOPSY
162	DIAGNOSTIC UPPER GASTROINTESTINAL ENDOSCOPY
163	THERAPEUTIC UPPER GASTROINTESTINAL ENDOSCOPY
164	DIAGNOSTIC LOWER GASTROINTESTINAL ENDOSCOPY
165	THERAPEUTIC LOWER GASTROINTESTINAL ENDOSCOPY
166	ERCP & OTHER MISCELLANEOUS GASTROINTESTINAL ENDOSCOPY PROCEDURES
167	TONSIL AND ADENOID PROCEDURES
168	HERNIA AND HYDROCELE PROCEDURES
169	SIMPLE HEMORRHOID PROCEDURES
170	SIMPLE ANAL AND RECTAL PROCEDURES EXCEPT HEMORRHOID PROCS
171	COMPLEX ANAL AND RECTAL PROCEDURES
172	PERITONEAL PROCEDURES AND CHANGE OF INTRA-ABDOMINAL TUBE
173	MISCELLANEOUS DIGESTIVE PROCEDURES
	URINARY
183	SIMPLE URINARY STUDIES AND PROCEDURES
184	RENAL EXTRACORPOREAL SHOCK WAVE LITHOTRI
185	URINARY CATHETERIZATION AND DILATATION
186	HEMODIALYSIS
187	PERITONEAL DIALYSIS
188	SIMPLE CYSTOURETHROSCOPY
189	COMPLEX CYSTOURETHROSCOPY AND LITHOLAPAX
190	PERCUTANEOUS RENAL ENDOSCOPY, CATHETERIZATION & URETERAL ENDOSCOPY
191	CYSTOTOMY
192	SIMPLE URETHRAL PROCEDURES
193	COMPLEX URETHRAL PROCEDURES
	MALE REPRODUCTIVE
209	TESTICULAR AND EPIDIDYMAL PROCEDURES
210	INSERTION OF PENILE PROSTHESIS
211	COMPLEX PENILE PROCEDURES
212	SIMPLE PENILE PROCEDURES
213	PROSTATE NEEDLE AND PUNCH BIOPSY
214	TRANSURETHRAL RESECTION OF PROSTATE & OTHER PROSTATE PROCEDURES

243

244

FEMALE REPRODUCTIVE

235	ARTIFICIAL FERTILIZATION
236	PROCEDURES FOR PREGNANCY AND NEONATAL CARE
237	TREATMENT OF SPONTANEOUS ABORTION
238	THERAPEUTIC ABORTION
239	VAGINAL DELIVERY
240	FEMALE GENITAL ENDOSCOPY
241	COLPOSCOPY
242	MISCELLANEOUS FEMALE REPRODUCTIVE PROCEDURE

DILATION AND CURETTAGE

261 ELECTROENCEPHALOGRAM

- 262 ELECTROCONVULSIVE THERAPY 263 NERVE AND MUSCLE TESTS
- 264 INJECTION OF SUBSTANCE INTO SPINAL CORD

FEMALE GENITAL EXCISION AND REPAIR

- 265 SUBDURAL AND SUBARACHNOID TAP
- 266 NERVE INJECTION AND STIMULATION
- 267 REVISION AND REMOVAL OF NEUROLOGICAL DEVICE
- 268 NEUROSTIMULATOR AND VENTRICULAR SHUNT IMPLANTATION
- 269 CARPAL TUNNEL RELEASE
- 270 NERVE REPAIR AND DESTRUCTION
- 271 COMPLEX NERVE REPAIR
- 272 SPINAL TAP

NERVOUS

EYE

301

287	MINOR OPHTHALMOLOGICAL TESTS AND PROCEDURES
288	FITTING OF CONTACT LENSES
289	SIMPLE LASER EYE PROCEDURES
290	COMPLEX LASER EYE PROCEDURES
291	CATARACT PROCEDURES
292	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES FOR GLAUCOMA
293	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES FOR GLAUCOMA
294	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES EXCEPT FOR CLAUCOMA
295	MODERATE ANTERIOR SEGMENT EYE PROCEDURES
296	COMPLEX ANTERIOR SEGMENT BYE PROCS EXCEPT FOR GLAUCOMA
297	SIMPLE POSTERIOR SEGMENT EYE PROCEDURES
298	COMPLEX POSTERIOR SEGMENT EYE PROCEDURES
299	STRABISMUS AND MUSCLE EYE PROCEDURES
300	SIMPLE REPAIR AND PLASTIC PROCEDURES OF EYE

COMPLEX REPAIR AND PLASTIC PROCEDURES OF EYE

EAR

313	OTORHINOLARYNGOLOGIC FUNCTION TESTS
314	MAJOR EXTERNAL EAR PROCEDURES
315	TYMPANOSTOMY AND OTHER SIMPLE MIDDLE EAR PROCEDURES
316	TYMPANOPLASTY AND OTHER COMPLEX MIDDLE EAR PROCEDURES
317	INNER EAR PROCEDURES
318	SIMPLE AUDIOMETRY

ANCILLARY TEST AND PROCEDURE APGS:

319 REMOVAL OF IMPACTED CERUMEN

APG TITLE

RADIOLOGY

341	SIMPLE DIAGNOSTIC NUCLEAR MEDICINE
342	COMPLEX DIAGNOSTIC NUCLEAR MEDICINE
343*	THERAPEUTIC NUCLEAR MEDICINE BY INJECTION
344*	RADIATION THERAPY
345	OBSTETRICAL ULTRASOUND
346	DIAGNOSTIC ULTRASOUND EXCEPT OBSTETRICAL
347*	HYPERTHERMIA
348	MAGNETIC RESONANCE IMAGING
349	COMPUTERIZED AXIAL TOMOGRAPHY
350	MAMMOGRAPHY
351	PLAIN FILM
352	FLUOROSCOPY
353	CEREBRAL, PULMONARY, CERVICAL AND SPINAL ANGIOGRAPHY
354	VENOGRAPHY OF EXTREMITY
355	NON-CARDIAC, NON-CEREBRAL VASCULAR RADIOLOGY
356	DIGESTIVE RADIOLOGY
357	UROGRAPHY AND GENITAL RADIOLOGY
358	ARTHROGRAPHY
359	MYELOGRAPHY
360	MISCELLANEOUS RADIOLOGY

ANESTHESIA

365 ANESTHESIA

PATHOLOGY

391	SIMPLE PATHOLOGY
392	COMPLEX PATHOLOGY

SIGNIFICANT PROCEDURES.)

(* RADIOLOGICAL APGS 343, 344, AND 347 ARE TREATED AS

LABORATORY

417	TISSUE TYPING
418	HUMAN TISSUE CULTURE
419	SIMPLE IMMUNOLOGY TESTS
420	COMPLEX IMMUNOLOGY TESTS
421	SIMPLE MICROBIOLOGY TESTS
422	COMPLEX MICROBIOLOGY TESTS
423	SIMPLE ENDOCRINOLOGY TESTS
424	COMPLEX ENDOCRINOLOGY TESTS
425	BASIC CHEMISTRY TESTS
426	SIMPLE CHEMISTRY TESTS
427	COMPLEX CHEMISTRY TESTS
428	MULTICHANNEL CHEMISTRY TESTS
429	SIMPLE TOXICOLOGY TESTS
430	COMPLEX TOXICOLOGY TESTS
431	URINALYSIS
432	THERAPEUTIC DRUG MONITORING
433	RADIOIMMUNOASSAY TESTS
434	SIMPLE CLOTTING TESTS
435	COMPLEX CLOTTING TESTS
436	SIMPLE HEMATOLOGY TESTS
437	COMPLEX HEMATOLOGY TESTS
439	LITHIUM LEVEL MONITORING
440	BLOOD AND URINE DIPSTICK TESTS

ANCILLARY TESTS AND PROCEDURES

443	SPIROMETRY AND RESPIRATORY THERAPY
444	INFUSION THERAPY EXCEPT CHEMOTHERAPY
447	CARDIOGRAM
449	SIMPLE IMMUNIZATION
450	MODERATE IMMUNIZATION
451	COMPLEX IMMUNIZATION
452	MINOR GYNECOLOGICAL PROCEDURES
454	MINOR DOPPLER, ECG MONITORING & AMBULATORY BP MONITORING TESTS
455	MINOR OPHTHALMOLOGICAL INJECTION, SCRAPING AND TESTS
456	VESTIBULAR FUNCTION TESTS
457	MINOR URINARY TUBE CHANGE
458	SIMPLE ANOSCOPY
459	BIOFEEDBACK AND HYPNOTHERAPY
460	PROVISION OF VISION AIDS
461	IMTRODUCTION OF NEEDLE AND CATHETER

INCIDENTAL PROCEDURFS

469 PROFESSIONAL SERVICE

INCIDENTAL PROCEDURES (CONT)

- 470 INDIVIDUAL PSYCHOTHERAPY
- 471 GROUP PSYCHOTHERAPY
- 472 PSYCHOTROPIC MEDICATION MANAGEMENT
- 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND TREATMENT
- 474 FAMILY PSYCHOTHERAPY
- 475 RADIOLOGICAL SUPERVISION AND INTERPRETATION ONLY
- 478 THERAPEUTIC RADIOLOGY PLANNING AND DEVICE CONSTRUCTION

CHEMOTHERAPY DRUGS

- 500 CLASS ONE CHEMOTHERAPY DRUGS
- 501 CLASS TWO CHEMOTHERAPY DRUGS
- 502 CLASS THREE CHEMOTHERAPY DRUGS

MEDICAL APGS:

MALIGNANCY

- 601 HEMATOLOGICAL MALIGNANCY
- 602 PROSTATIC MALIGNANCY
- 603 LUNG MALIGNANCY
- 604 SKIN MALIGNANCY
- 605 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROSTATIC, LUNG & SKIN

POISONING

616 POISONING

TRAUMA

- 631 HEAD AND SPINE INJURY
- 632 BURNS, AND SKIN AND SOFT TISSUE INJURY
- 633 FRACTURE, DISLOCATION AND SPRAIN
- 634 OTHER INJURIES

MENTAL DISEASES

- 654 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENILITY, DEMENTIA & MENTAL RETARDATION
- 655 PSYCHOTROPIC MEDICATION MANAGEMENT AND BRIEF PSYCHOTHERAPY
- 656 COMPREHENSIVE PSYCHIATRIC EVALUATION AND TRMT AGE > 17
- 657 COMPREHENSIVE PSYCHIATRIC EVALUATION AND TRMT AGE 0-17
- 658 FAMILY PSYCHOTHERAPY
- 659 GROUP PSYCHOTHERAPY

ALCOHOL AND DRUG ABUSE

- 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE WITH MENTAL ILLNESS
 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WO MENTAL ILLNESS
- 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTHERAPY FOR DRUG
- 669 FAMILY THERAPY FOR DRUG ABUSE
- 670 GROUP THERAPY FOR DRUG ABUSE

NEONATE

676 NEONATE AND CONGENITAL ANOMALY

PREGNANCY

- 691 ROUTINE PRENATAL CARE
- 692 MATERNAL ANTEPARTUM COMPLICATION
- 693 ROUTINE POSTPARTUM CARE
- 694 MATERNAL POSTPARTUM COMPLICATION

INFECTIOUS DISEASE

- 721 SYSTEMIC INFECTIOUS DISEASE
- 723 SEXUALLY TRANSMITTED DISEASE IN MALES
- 724 SEXUALLY TRANSMITTED DISEASE IN FEMALES

NERVOUS DISEASES

- 736 TIA, CVA AND OTHER CEREBROVASCULAR EVENT
- 737 HEADACHE
- 738 CENTRAL NERVOUS SYSTEM DISEASES EXCEPT TIA, CVA, & HEADACHE

EYE DISEASES

- 751 CATARACTS
- 752 REFRACTION DISORDER
- 753 CONJUNCTIVITIS AND OTHER SIMPLE EXTERNAL EYE INFLAMMATION
- 754 EYE DISEASE EXCEPT CATARACT, REFRACTION DISORDER AND CONJUNCTIVITIS

EAR, NOSE, THROAT AND MOUTH DISEASES

- 766 DENTAL DISEASE
- 767 ACUTE INFECTIOUS EAR, NOSE AND THROAT DISEASE AGE > 17
- 768 ACUTE INFECTIOUS EAR, NOSE AND THROAT DISEASE AGE 0-17
- 769 ACUTE NONINFECTIOUS EAR, NOSE AND THROAT DISEASE
- 771 HEARING LOSS
- 772 OTHER EAR, NOSE, THROAT AND MOUTH DISEASES

RESPIRATORY DISEASES

- 781 EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA AGE > 17
- 782 EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA AGE 0-17
- 783 PNEUMONIA
- 784 RESPIRATORY DISEASE EXCEPT EMPHYSEMA, CHRONIC BRONCHITIS & ASTHMA

CARDIOVASCULAR DISEASES

- 796 CONGESTIVE HEART FAILURE AND ISCHEMIC HEART DISEASE
- 797 HYPERTENSION
- CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHEMIC HEART DISEASE & HYPERTENSION

DIGESTIVE DISEASES

- 811 NONINFECTIOUS GASTROENTERITIS
- 812 ULCERS, GASTRITIS AND ESOPHAGITIS
- 813 FUNCTIONAL GASTROINTESTINAL DISEASE & IRRITABLE BOWEL SYND
- 814 HEPATOBILIARY DISEASE
- 816 HEMORRHOIDS AND OTHER ANAL-RECTAL DISEASES
- 817 OTHER GASTROINTESTINAL DISEASES

MAJOR SIGNS, SYMPTOMS AND FINDINGS

827 MAJOR SIGNS, SYMPTOMS AND FINDINGS

MUSCULOSKELETAL DISEASES

- 841 BACK DISORDERS
- 842 MUSCULOSKELETAL DISEASES EXCEPT BACK DISORDERS

SKIN AND BREAST DISEASES

- 856 DISEASE OF NAILS
- 857 CHRONIC SKIN ULCER
- 858 CELLULITIS, IMPETIGO AND LYMPHANGITIS
- 859 BREAST DISEASE
- 860 OTHER SKIN DISEASES

ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES

- 871 DIABETES
- 872 OBESITY
- 873 ENDOCRINE, NUTRITIONAL & METABOLIC DISEASE EXCEPT DIABETES AND OBESITY

KIDNEY AND URINARY TRACT DISEASES

- 886 URINARY TRACT INFECTION
- 887 RENAL FAILURE
- 888 URINARY DISEASE EXCEPT URINARY TRACT INFECTION & RENAL FAILURE

MALE REPRODUCTIVE DISEASES

- 901 BENIGN PROSTATIC HYPERTROPHY
- 902 MALE REPRODUCTIVE DISEASES EXCEPT BENIGN PROSTATIC HYPERTROPHY

FEMALE REPRODUCTIVE DISEASES

916 FEMALE GYNECOLOGIC DISEASE

IMMUNOLOGIC AND HEMATOLOGIC DISEASES

- 932 AIDS RELATED COMPLEX & HIV INFECTION WITH COMPLICATIONS
- 933 OTHER IMMUNOLOGIC AND HEMATOLOGIC DISEASE

WELL CARE AND ADMINISTRATIVE

- 946 ADULT MEDICAL EXAMINATION
- 947 WELL CHILD CARE
- 948 COUNSELING
- 949 CONTRACEPTION AND PROCREATIVE MANAGEMENT
- 950 REPEAT PRESCRIPTION
- 951 NONSPECIFIC SIGNS & SYMPTOMS & OTHER CONTACTS WITH HLTH SVCS
- 959 ADMITTED OR DIED
- 999 ERROR

APPENDIX B HIGHEST FREQUENCY DIAGNOSES, ENCOUNTER FILE

APPENDIX B

<u>Highest Frequency Diagnoses. Encounter File</u>

ICD-9-CM DX TITLE	FREQ P	ercent	CUMUL. FREQ P	
309 ADJUSTMENT REACTION	6170	3.5	6170	3.5
300 NEUROTIC DISORDERS	5948	3.4	12118	6.9
382 OTITIS MEDIA, SUPPERATIV & UNSP	5203	2.9	17321	9.8
401 ESSENTIAL HYPERTENSION	4921	2.8	22242	12.6
296 AFFECTIVE PSYCHOSES	4414	2.5	26656	15.1
477 ALLERGIC RHINITIS	4131	2.3	30787	17.4
V22 NORMAL PREGNANCY	3458	2.0	34245	19.4
786 SYMPTOMS OF RESP SYS, OTH CHEST	3412	1.9	37657	21.3
250 DIABETES MELLITUS	2935	1.7	40592	23.0
789 OTH SYMPTOMS OF ABDOMEN, PELVIS	2822	1.6	43414	24.5
465 ACUTE UPPER RESP INFECTION	2763	1.6	46177	26.1
V20 HEALTH SUPERVISM, INFANT, CHILD	2754	1.6	48931	27.7
780 GENERAL SYMPTOMS	2464	1.4	51395	29.1
462 ACUTE PHARYNGITIS	2332	1.3	53727	30.4
599 OTH DISORD, URETHRA, URINARY TRACT	2062	1.2	55789	31.5
493 ASTHMA	1979	1.1	57768	32.7
272 DISORDERS, LIPOID METABOLISM	1800	1.0	59568	33.7
414 OTH CHRONIC ISCHEMIC HEART DIS	1697	1.0	61265	34.6
724 OTH & UNSPEC DISORDERS OF BACK	1629	0.9	62894	35.6
616 INFLAMMATRY DIS CERVIX, VAGINA, VU	1535	0.9	64429	36.4
381 OTITIS MEDIA, NONSUPPURATIVE	1456	0.8	65885	37.3
490 BRONCHITIS NOT OTHERWISE SPEC	1427	0.8	67312	38.1
784 SYMPTOMS INVOLV HEAD & NECK	1427	0.8	68739	38.9
558 OTH NONINFECT GASTROENTERITIS	1362	0.8	70101	39.6
626 MENSTRUATION, OTH BLEEDING DISOR	1359	0.8	71460	40.4
V30 SINGLE LIVEBORN	1351	0.8	72811	41.2
611 OTHER DISORDERS OF BREAST	1299	0.7	74110	41.9
313 DISTURB OF EMOTIONS, CHILDHOOD	1289	0.7	75399	42.6
473 CHRONIC SINUSITIS	1208	0.7	76607	43.3
706 DISEASES OF SEBACEOUS GLANDS	1197	0.7	77804	44.0
650 NORMAL DELIVERY	1172	0.7	78976	44.7
799 OTH ILL-DEFINED, UNKNOWN CAUSES	1154	0.7	80130	45.3
610 BENIGN MAMMARY DYSPLASIAS	1114	0.6	81244	45.9
726 PERIPHERAL ENTHESOPATHIES	1103	0.6	83461	47.2
729 OTH DISORDERS OF SOFT TISSUES	1090	0.6	84551	47.8
995 CERTAIN ADVERSE EFFECTS NEC	1057	0.6	85608	48.4
692 CONTACT DERMATITIS, OTH ECZEMA	1051	0.6	86659	49.0
466 ACUTE BRONCHITIS, BRONCHIOLITIS	1033	0.6	87692	49.6
719 OTH & UNSPEC DISORD OF JOINT	999	0.6	88691	50.1
627 MENOPAUSAL, POSTMENOPAUSAL DISOR	114	0.6	82358	46.6
714 RHEUMATOID ARTHRITIS, OTH POLYAR	859	0.5	97784	55.3
715 OSTEOARTHROSIS & ALLIED DISORD	971	0.5	89662	50.7
959 INJURY, OTHER & UNSPECIFIED	930	0.5	91553	51.8
427 CARDIAC DYSRHYTHMIAS	918	0.5	92471	52.3

ICD	-9-CM			CUM	ULATIVE
	TITLE	_	PERCENT	_	
496	CHRONIC AIRWAY OBSTRUCTION NEC	916	0.5	93387	52.8
312	DISTURBANCE OF CONDUCT NEC	896	0.5	94283	53.3
174	MALIG NEOPLASM, FEMALE BREAST	891	0.5	95174	53.8
079	VIRAL INFECTION	882	0.5	96056	54.3
372	DISORDERS OF CONJUNCTIVA	851	0.5	98635	55.8
486	PNEUMONIA, ORGANISM UNSPECIFIED	961	0.5	90623	51.2
311	DEPRESSIVE DISORDER, NEC	831	0.5	99466	56.2
461	ACUTE SINUSITIS	803	0.5	100269	56.7
463	ACUTE TONSILLITIS	797	0.5	101066	57.1
625	PAIN, OTH SYMPT, FEMALE GENITAL T	869	0.5	96925	54.8
727	OTH DISORD SYNOVIUM, TENDON, BURS	725	0.4	105580	59.7
722	INTERVERTEBRAL DISC DISORDERS	771	0.4	101837	57.6
295	SCHIZOPHRENIC DISORDERS	758	0.4	103361	58.4
716	OTHER & UNSPEC ARTHROPIES	664	0.4	106948	60.5
380	DISORDERS OF EXTERNAL EAR	657	0.4	107605	60.8
367	DISORD, REFRACTION, ACCOMMODATION	751	0.4	104112	58.9
782	SKIN, OTH INTEGUMENTARY TISS SYM	704	0.4	106284	60.1
847	SPRAINS, STRAINS, OTH PARTS, BACK	743	0.4	104855	59.3
078	OTH DIS DUE TO VIRUS CHLAMYDIA	766	0.4	102603	58.0

APPENDIX C

HIGHEST FREQUENCY PROCEDURES AND SERVICES, ENCOUNTER SAMPLE FILE

APPENDIX C

Highest Frequency Procedures and Services, Encounter Sample File

CPT-4 CODE	PROCEDURE TITLE	Frequency Count	PERCENT OF TOTAL FREQUENCY	CUMULATIVE PERCENT
99070	SPECIAL SUPPLIES	67733	14.00	14.00
90844	INDIVIDUAL PSYCHOTHERAPY	28916	5.98	19.98
90050	OFFICE/OP VISIT, EST, LTD	26150	5.41	25.39
90060	OFFICE/OP VISIT, EST, INTERI	M 21349	4.41	29.80
84999	CLINICAL CHEMISTRY TEST	12836	2.65	32.45
80019	19 OR MORE BLOOD/URINE TESTS	s 10926	2.26	34.71
90015	OFFICE/OP VISIT, NEW, INTER	M 10105	2.09	36.80
90515	EMERGENCY CARE, NEW, INTERME	9763	2.02	38.82
76499	RADIOGRAPHIC PROCEDURE	8360	1.73	40.55
90040	OFFICE/OP VISIT, EST, BRIEF	8254	1.71	42.26
81000	URINALYSIS WITH MICROSCOPY	6913	1.43	43.69
90250	HOSPITAL VISIT, LIMITED	6792	1.40	45.09
90260	HOSPITAL VISIT, INTERMEDIATE	E 6498	1.34	46.43
90782	INJECTION SUBCU/(IM)	6379	1.32	47.75
90070	OFFICE/OP VISIT, EST, EXTEN	5283	1.09	48.84
95125	IMMUNOTHERAPY, MANY ANTIGENS	s 4924	1.02	49.86

APPENDIX D ENCOUNTER FILE DESCRIPTION

APPENDIX D

Encounter File Description

VAR. No.	VARIABLE	TYPE	LEN	POS FMT	DESCRIPTION
31	AAS7_1	NUM	8	127	Amount Allowed for Svc 1
54	AAS7_2	NUM	8	234	Amount Allowed for Svc 2
77	AAS7_3	NUM	8	341	Amount Allowed for Svc 3
100	AAS7_4	NUM	8	448	Amount Allowed for Svc 4
123	AAS7_5	NUM	8	555	Amount Allowed for Svc 5
146	AAS7_6	NUM	8	662	Amount Allowed for Svc 6
169	AAS7_7	NUM	8	769	Amount Allowed for Svc 7
32	ABS27_1	NUM	8	135	Amount Billed for Svc 1
55	ABS27_2	NUM	8	242	Amount Billed for Svc 2
78	ABS27_3	NUM	8	349	Amount Billed for Svc 3
101	ABS27_4	NUM	8 8	456 563	Amount Billed for Svc 4 Amount Billed for Svc 5
124 147	ABS27_5 ABS27_6	NUM NUM	8	670	Amount Billed for Svc 5
170	ABS27_0	NUM	8	777	Amount Billed for Svc 7
8	BFC7 1	CHAR	1	56	Basis for Care
2	CBD7_1	NUM	8	8	Care Begin Date
3	CD7 1	NUM	8	16	Cycle Date
33	CED7 1	NUM	8	143	Care End Date, Svc 1
56	CED7 2	NUM	8	250	Care End Date, Svc 2
79	CED7 3	NUM	8	357	Care End Date, Svc 3
102	CED7_4	NUM	8	464	Care End Date, Svc 4
125	CED7_5	NUM	8	571	Care End Date, Svc 5
148	CED7_6	NUM	8	678	Care End Date, Svc 6
171	CED7_7	NUM	8	785	Care End Date, Svc 7
19	CEF7_1	CHAR	2	67	Care End Fiscal Year
28	CN17_1	NUM	8	103	Internal Control No. Svc 1
51	CN17_2	NUM	8	210	Internal Control No. Svc 2
74	CN17_3	NUM	8	317	Internal Control No. Svc 3
97	CN17_4	NUM	8	424	Internal Control No. Svc 4
120	CN17_5	NUM	8	531	Internal Control No. Svc 5
143	CNI7_6	NUM	8 8	638 7 4 5	Internal Control No. Svc 6 Internal Control No. Svc 7
166 20	CNI7_7 CNSCC7 1	num Char	2	745 69	Claim State/Country Code
27	CNTR 1	NUM	8		Counter, Svc 1
50	CNTR_1 CNTR_2	NUM	8		Counter, Svc 2
73	CNTR 3	NUM	8		Counter, Svc 3
96	CNTR 4	NUM	8		Counter, Svc 4
119	CNTR 5	NUM	8		Counter, Svc 5
142	CNTR 6	NUM	8		Counter, Svc 6
165	CNTR_7	NUM	8		Counter, Svc 7
29	DRN7_1	NUM	8	111	Detail Record No., Svc 1
52	DRN7_2	NUM	8	218	Detail Record No., Svc 2
75	DRN7_3	NUM	8	325	Detail Record No., Svc 3
98	DRN7_4	NUM	8	432	Detail Record No., Svc 4
121	DRN7_5	NUM	8	539	Detail Record No., Svc 5

VAR. No.	VARIABLE	TYPE	LEN	POS FMT	DESCRIPTION
144	DRN7_6	NUM	8	646	Detail Record No., Svc 6
167	DRN7_7	NUM	8	753	Detail Record No., Svc 7
26	DX1_1	CHAR	5	90 \$5.	Original diagnosis, Svc 1
49	DX1_2	CHAR	5	197 \$5.	Original diagnosis, Svc 2
72	DX1_3	CHAR	5	304 \$5.	Original diagnosis, Svc 3
95	DX1_4	CHAR	5	411 \$5.	Original diagnosis, Svc 4
118	DX1_5	CHAR	5	518 \$5.	Original diagnosis, Svc 5
141	DX1_6	CHAR	5	625 \$5.	Original diagnosis, Svc 6
164	DX1_7	CHAR	5	732 \$5.	Original diagnosis, Svc 7
187	DX2_1	CHAR	5	839 \$5.	Recoded diagnosis, Svc 1
188	DX2_2	CHAR	5	844 \$5.	Recoded diagnosis, Svc 2
189	DX2_3	CHAR	5	849 \$5.	Recoded diagnosis, Svc 3
190	DX2_4	CHAR	5	854 \$5.	Recoded diagnosis, Svc 4
191	DX2_5	CHAR	5	859 \$5.	Recoded diagnosis, Svc 5
192	DX2_6	CHAR	5	864 \$5.	Recoded diagnosis, Svc 6
193	DX2_7	CHAR	5	869 \$5.	Recoded diagnosis, Svc 7
37	FBCD7_1	CHAR	1	168	FI Break Code-Detail-Svc 1
60	FBCD7_2	CHAR	1	275	FI Break Code-Detail-Svc 2
83	FBCD7_3	CHAR	1	382	FI Break Code-Detail-Svc 3
106	FBCD7_4	CHAR	1	489	FI Break Code-Detail-Svc 4
129	FBCD7_5	CHAR	1	596	FI Break Code-Detail-Svc 5
152	FBCD7_6	CHAR	1	703	FI Break Code-Detail-Svc 6
175	FBCD7_7	CHAR	1	810	FI Break Code-Detail-Svc 7
9	FDC7_1	CHAR	1	57	FI Denial Code
46	fname_1	CHAR	4	181	First Name - Svc 1
69	fname_2	CHAR	4	288	First Name - Svc 2
92	FNAME_3	CHAR	4	395	First Name - Svc 3
115	fname_4	CHAR	4	502	First Name - Svc 4
138	fname_5	CHAR	4	609	First Name - Svc 5
161	fname_6	CHAR	4	716	First Name - Svc 6
184	Fname_7	CHAR	4	823	First Name - Svc 7
4	HBD7_1	NUM	8	24	Hospital Begin Date
5	HED7_1	NUM	8	32	Hospital End Date
201	I	NUM	8	930	Processing counter
36	IOC7_1	CHAR	1	167	Inpnt/Outpnt code Svc 1
59	1007_2	CHAR	1	274	Inpnt/outpnt code Svc 2
82	1007_3	CHAR	1	381	Inpnt/outpnt code Svc 3
105	IOC7_4	CHAR	1	488	Inpnt/outpnt code Svc 4
128	IOC7_5	CHAR	1	595	Inpnt/outpnt code Svc 5
151	1007_6	CHAR	1	702	Inpnt/outpnt code Svc 6
174	10C7_7	CHAR	1	809	Inpnt/outpnt code Svc 7
10	MBOS7_1	CHAR	1	58	MTF Branch of Service
23	MC7_1	CHAR	3	75	Medical Treatment Facility
11	MPFC7_1	CHAR	1	59	Multi-program FY code
1	MULTFLG	NUM	8	0	Processing flag
30	NOV7_1	NUM	8	119	No. of Visits - Svc 1
53	NOV7_2	NUM	8	226	No. of Visits - Svc 2

VAR. No.	VARIABLE	TYPE	Len	POS FMT	DESCRIPTION
76	NOV7_3	NUM	8	333	No. of Visits - Svc 3
99	NOV7_4	NUM	8	440	No. of Visits - Svc 4
122	NOV7_5	NUM	8	547	No. of Visits - Svc 5
145	NOV7_6	NUM	8	654	No. of Visits - Svc 6
168	NOV7_7	NUM	8	761	No. of Visits - Svc 7
34	NS7_1	NUM	8	151	No. of Svcs - Svc 1
57	NS7_2	NUM	8	258	No. of Svcs - Svc 2
80	NS7_3	NUM	8	365	No. of Svcs - Svc 3
103	NS7_4	NUM	8	472	No. of Svcs - Svc 4
126	NS7_5	NUM	8	579	No. of Svcs - Svc 5
149	NS7_6	NUM	8	686	No. of Svcs - Svc 6
172	NS7_7	NUM	8	793	No. of Svcs - Svc 7
38	OBCD7_1	CHAR	1	169	OCHAMPUS Break Code-Detail 1
61	OBCD7_2	CHAR	1	276	OCHAMPUS Break Code-Detail 2
84	OBCD7_3	CHAR	1	383	OCHAMPUS Break Code-Detail 3
107	OBCD7_4	CHAR	1	490	OCHAMPUS Break Code-Detail 4
130	OBCD7_5	CHAR	1	597	OCHAMPUS Break Code-Detail 5
153	OBCD7_6	CHAR	1	704	OCHAMPUS Break Code-Detail 6
176	OBCD7_7	CHAR	1	811	OCHAMPUS Break Code-Detail 7
12	OBC7_1	CHAR	1	60	OCHAMPUS Break Code
6	OC27_1	NUM	8	40	Occurrence Count
7	PA7_1	NUM	8	48	Patient Age
42 65	PCC7_1 PCC7_2	CHAR	2 2	173 280	Provider Capacity Code Svc 1
88	PCC7_2 PCC7_3	CHAR CHAR	2	387	Provider Capacity Code Svc 2 Provider Capacity Code Svc 3
111	PCC7_4	CHAR	2	494	Provider Capacity Code Svc 4
134	PCC7_5	CHAR	2	601	Provider Capacity Code Svc 5
157	PCC7 6	CHAR	2	708	Provider Capacity Code Svc 6
180	PCC7 7	CHAR	2	815	Provider Capacity Code Svc 7
35	PC27 1	NUM	8		Original procedure code 1
58	PC27 2	NUM	8		Original procedure code 2
81	PC27 3	NUM	8		Original procedure code 3
104	PC27 4	NUM	8		Original procedure code 4
127	PC27_5	NUM	8		Original procedure code 5
150	PC27 6	NUM	8		Original procedure code 6
173	PC27 7	NUM	8		Original procedure code 7
43	PMSC7 1	CHAR	2	175	Provider major specialty 1
66	PMSC7 2	CHAR	2	282	Provider major specialty 2
89	PMSC7 3	CHAR	2	389	Provider major specialty 3
112	PMSC7 4	CHAR	2	496	Provider major specialty 4
135	PMSC7_5	CHAR	2	603	Provider major specialty 5
158	PMSC7_6	CHAR	2	710	Provider major specialty 6
181	PMSC7_7	CHAR	2	817	Provider major specialty 7
40	PPF7_1	CHAR	1	171	Primary procedure flag 1
63	PPF7_2	CHAR	1	278	Primary procedure flag 2
86	PPF7_3	CHAR	1	385	Primary procedure flag 3
109	PPF7_4	CHAR	1	492	Primary procedure flag 4

VAR. No.	VARIABLE	TYPE	LEN	POS FMT	DESCRIPTION
	4				*****
132	PPF7_5	CHAR	1	599	Primary procedure flag 5
155	PPF7_6	CHAR	1	706	Primary procedure flag 6
178	PPF7_7	CHAR	1	813	Primary procedure flag 7
194	PROC_1	NUM	8	874	Recoded procedure 1
195	PROC_2	NUM	8	882	Recoded procedure 2
196	PROC_3	NUM	8	890	Recoded procedure 3
197	PROC_4	NUM	8	898	Recoded procedure 4
198	PROC_5	NUM	8	906	Recoded procedure 5
199	PROC_6	NUM	8	914	Recoded procedure 6
200	PROC_7	NUM	8	922	Recoded procedure 7
13	PR7_1	CHAR	1	61	Patient Relationship
14	PS7_1	CHAR	1	62	Patient Sex
24	PZC17_1	CHAR	3	78	Patient Zip - 1st 3 pos.
21	PZC27_1	CHAR	2	71	Patient Zip - 2nd 2 pos.
41	RPC7_1	CHAR	1	172	Reason for Pricing-Svc 1
64	RPC7_2	CHAR	1	279	Reason for Pricing-Svc 2
87	RPC7_3	CHAR	1	386	Reason for Pricing-Svc 3
110	RPC7_4	CHAR	1	493	Reason for Pricing-Svc 4
133	RPC7_5	CHAR	1	600	Reason for Pricing-Svc 5
156	RPC7_6	CHAR	1	707	Reason for Pricing-Svc 6
179	RPC7_7	CHAR	1	814	Reason for Pricing-Svc 7
15	SBS7_1	CHAR	1	63	Sponsor's Branch of Service
44	SCOCC7_1	CHAR	2	177	State/Country of Care-Svc 1
67	SCOCC7_2	CHAR	2	284	State/Country of Care-Svc 2
90	SCOCC7_3	CHAR	2	391	State/Country of Care-Svc 3
113	SCOCC7_4	CHAR	2	498	State/Country of Care-Svc 4
136	SCOCC7_5	CHAR	2	605	State/Country of Care-Svc 5
159	scocc7_6	CHAR	2	712	State/Country of Care-Svc 6
182	scocc7_7	CHAR	2	819	State/Country of Care-Svc 7
47	SIC7_1	CHAR	9	185	Source of Care ID - Svc 1
70	SIC7_2	CHAR	9	292	Source of Care ID - Svc 2
93	SIC7_3	CHAR	9	399	Source of Care ID - Svc 3
116	SIC7_4	CHAR	9	506	Source of Care ID - Svc 4
139 162	SIC7_5 SIC7_6	CHAR	9	613	Source of Care ID - Svc 5
		CHAR	9	720	Source of Care ID - Svc 6
185	SIC7_7	CHAR	9	827	Source of Care ID - Svc 7
16	SPC7_1	CHAR	1	64	Special Processing Code
22	SPG7_1	CHAR	2	73	Sponsor's Pay Grade
17	SRC7_1	CHAR	1	65	Special Rate Code
25 18	SS17_1	CHAR	9	81 66	Social Security No., Sponsor
	SS27_1	CHAR	1	66 104	Sponsor's Status
48 71	SZC17_1	CHAR	3	194	Source of Care Zip-1st 3 pos.
94	SZC17_2	CHAR	3	301	Source of Care Zip-1st 3 pos.
	SZC17_3	CHAR	3	408	Source of Care Zip-1st 3 pos.
117	SZC17_4	CHAR	3	515	Source of Care Zip-1st 3 pos.
140	S2C17_5	CHAR	3	622	Source of Care Zip-1st 3 pos.
163	SZC17_6	CHAR	3	729	Source of Care Zip-1st 3 pos.

VAR.					
No.	VARIABLE	TYPE	LEN	POS FMT	DESCRIPTION
186	SZC17_7	CHAR	3	836	Source of Care Zip-1st 3 pos.
45	szc27_1	CHAR	2	179	Source of Care Zip-2d 2 pos.
68	SZC27_2	CHAR	2	286	Source of Care Zip-2d 2 pos.
91	SZC27_3	CHAR	2	393	Source of Care Zip-2d 2 pos.
114	SZC27 4	CHAR	2	500	Source of Care Zip-2d 2 pos.
137	SZC27 ⁻ 5	CHAR	2	607	Source of Care Zip-2d 2 pos.
160	szc27 ⁻ 6	CHAR	2	714	Source of Care Zip-2d 2 pos.
183	SZC27_7	CHAR	2	821	Source of Care Zip-2d 2 pos.
39	TOCC7_1	CHAR	1	170	Type of Care Code - Svc 1
62	TOCC7 2	CHAR	1	277	Type of Care Code - Svc 2
85	TOCC7 3	CHAR	1	384	Type of Care Code - Svc 3
108	TOCC7 4	CHAR	1	491	Type of Care Code - Svc 4
131	TOCC7 5	CHAR	1	598	Type of Care Code - Svc 5
154	TOCC7 6	CHAR	1	705	Type of Care Code - Svc 6
177	TOCC7 7	CHAR	1	812	Type of Care Code - Svc 7

APPENDIX E DIAGNOSIS TRANSLATION TABLE

APPENDIX E

Diagnosis Translation Table

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PUS
      ICD-9-CM
CODE CODE TITLE
V100 V1005 PERSONAL HISTORY OF MALIGNANT NEOPLASM OF LARGE INTESTI
V101 V1011 PERSONAL HISTORY OF MALIGNANT NEOPLASM OF BRONCHUS AND
V102 V1021 PERSONAL HISTORY OF MALIGNANT NEOPLASM OF LARYNX
V104 V1042 PERSONAL HISTORY OF MALIGNANT NEOPLASM OF OTHER PARTS O
V105 V1051 PERSONAL HISTORY OF MALIGNANT NEOPLASM OF BLADDER
V106 V1061 PERSONAL HISTORY OF LYMPHOID LEUKEMIA
V107 V1072 PERSONAL HISTORY OF HODGKIN'S DISEASE
V108 V1082 PERSONAL HISTORY OF MALIGNANT MELANOMA OF SKIN
V158 V1589 OTHER SPECIFIED PERSONAL HISTORY PRESENTING HAZARDS TO
V250 V2509 OTHER GENERAL COUNSELING AND ADVICE ON CONTRACEPTIVE
V254 V2541 SURVEILLANCE OF CONTRACEPTIVE PILL
V300 V3000 SINGLE LIVEBORN, BORN IN HOSPITAL, NO MENT C-SECT DEL
V310 V3100 TWIN, MATE LIVEBORN, BORN IN HOSP, NO MENT C-SECT DEL
V320 V3200 TWIN, MATE STILLBRN, BORN IN HOSP, NO MENT C-SECT DEL
V330 V3300 TWIN, UNSPEC, BORN IN HOSPITAL, NO MENT C-SECT DEL
V340 V3400 OTH MULTIPLE, MATES LB, BORN IN HOSP, NO MENT C-SECT DEL V350 V3500 OTH MULTIPLE, MATES SB, BORN IN HOSP, NO MENT C-SECT DEL
V360 V3600 OTH MULTIPLE, MATES LB & SB, BORN IN HOSP, NO MENT C-SECT
V370 V3700 OTH MULTIPLE, UNSPEC, BORN IN HOSP, NO MENT C-SECT DEL
V390 V3900 LIVEBORN NOT OTHERWISE SPEC, BORN IN HOSP, NO MENT C-SECT
V458 V4581 POSTSURGICAL AORTOCORONARY BYPASS STATUS
V578 V5789 CARE INVOLVING OTHER SPECIFIED REHABILITATION PROCEDURE
V612 V6120 PARENT-CHILD PROBLEM, UNSPECIFIED
V614 V6149 OTHER HEALTH PROBLEMS WITHIN THE FAMILY
V628 V6289 OTHER PSYCHOLOGICAL OR PHYSICAL STRESS, NOT ELSEWHERE
V675 V6759 OTHER FOLLOW-UP EXAMINATION
V688 V6881 REFERRAL OF PATIENT WITHOUT EXAMINATION OR TREATMENT
V710 V7109 OBSERVATION OF OTHER SUSPECTED MENTAL CONDITION
V764 V7649 SCREENING FOR MALIGNANT NEOPLASMS OF OTHER SITES
0032 00320 LOCALIZED SALMONELLA INFECTION, UNSPECIFIED
0084 00849 INTESTINAL INFECTION DUE TO OTHER SPECIFIED BACTERIA
0100 01000 PRIMARY TUBERCULOUS COMPLEX, UNSPECIFIED EXAMINATION
0101 01010 TUBERCULOUS PLEURISY IN PRIMARY PROGRESSIVE TUBERCULOSI
0108 01080 OTHER PRIMARY PROGRESSIVE TUBERCULOSIS, UNSPECIFIED EXA
0109 01090 PRIMARY TUBERCULOUS INFECTION, UNSPECIFIED TYPE,
0110 01100 TUBERCULOSIS OF LUNG, INFILTRATIVE, UNSPECIFIED EXAMINA 0111 01110 TUBERCULOSIS OF LUNG, NODULAR, UNSPECIFIED EXAMINATION
0112 01120 TUBERCULOSIS OF LUNG WITH CAVITATION, UNSPECIFIED EXAMI
0113 01130 TUBERCULOSIS OF BRONCHUS, UNSPECIFIED EXAMINATION
0114 01140 TUBERCULOUS FIBROSIS OF LUNG, UNSPECIFIED EXAMINATION
0115 01150 TUBERCULOUS BRONCHIECTASIS, UNSPECIFIED EXAMINATION
0116 01160 TUBERCULOUS PNEUMONIA (ANY FORM), UNSPECIFIED EXAMINATI
0117 01170 TUBERCULOUS PNEUMOTHORAX, UNSPECIFIED EXAMINATION
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CHAMPUS ICD-9-CM CODE CODE TITLE

0118 01180 OTHER SPECIFIED PULMONARY TUBERCULOSIS, UNSPECIFIED 0119 01190 UNSPECIFIED PULMONARY TUBERCULOSIS, UNSPECIFIED EXAMINA 0120 01200 TUBERCULOUS PLEURISY, UNSPECIFIED EXAMINATION 0121 01210 TUBERCULOSIS OF INTRATHORACIC LYMPH NODES, UNSPECIFIED 0122 01220 ISOLATED TRACHEAL OR BRONCHIAL TUBERCULOSIS, UNSPECIFIE 0123 01230 TUBERCULOUS LARYNGITIS, UNSPECIFIED EXAMINATION 0128 01280 OTHER SPECIFIED RESPIRATORY TUBERCULOSIS, UNSPECIFIED 0130 01300 TUBERCULOUS MENINGITIS, UNSPECIFIED EXAMINATION 0131 01310 TUBERCULOMA OF MENINGES, UNSPECIFIED EXAMINATION 0132 01320 TUBERCULOMA OF BRAIN, UNSPECIFIED EXAMINATION 0133 01330 TUBERCULOUS ABSCESS OF BRAIN, UNSPECIFIED EXAMINATION 0134 01340 TUBERCULOMA OF SPINAL CORD, UNSPECIFIED EXAMINATION 0135 01350 TUBERCULOUS ABSCESS OF SPINAL CORD, UNSPECIFIED EXAMINA 0136 01360 TUBERCULOUS ENCEPHALITIS OR MYELITIS, UNSPECIFIED EXAMI 0138 01380 OTHER SPECIFIED TUBERCULOSIS OF CENTRAL NERVOUS SYSTEM. 0139 01390 UNSPECIFIED TUBERCULOSIS OF CENTRAL NERVOUS SYSTEM, 0140 01400 TUBERCULOUS PERITONITIS, UNSPECIFIED EXAMINATION 0148 01480 TUBERCULOSIS OF INTESTINES AND MESENTERIC GLANDS, UNSPE 0150 01500 TUBERCULOSIS OF VERTEBRAL COLUMN, UNSPECIFIED EXAMINATI 0151 01510 TUBERCULOSIS OF HIP, UNSPECIFIED EXAMINATION 0152 01520 TUBERCULOSIS OF KNEE, UNSPECIFIED EXAMINATION 0155 01550 TUBERCULOSIS OF LIMB BONES, UNSPECIFIED EXAMINATION 0156 01560 TUBERCULOSIS OF MASTOID, UNSPECIFIED EXAMINATION 0157 01570 TUBERCULOSIS OF OTHER SPECIFIED BONE, UNSPECIFIED EXAMI 0158 01580 TUBERCULOSIS OF OTHER SPECIFIED JOINT, UNSPECIFIED EXAM 0159 01590 TUBERCULOSIS OF UNSPECIFIED BONES AND JOINTS, 0160 01600 TUBERCULOSIS OF KIDNEY, UNSPECIFIED EXAMINATION 0161 01610 TUBERCULOSIS OF BLADDER, UNSPECIFIED EXAMINATION 0162 01620 TUBERCULOSIS OF URETER, UNSPECIFIED EXAMINATION 0163 01630 TUBERCULOSIS OF OTHER URINARY ORGANS, UNSPECIFIED EXAMI 0164 01640 TUBERCULOSIS OF EPIDIDYMIS, UNSPECIFIED EXAMINATION 0165 01650 TUBERCULOSIS OF OTHER MALE GENITAL ORGANS, 0166 01660 TUBERCULOUS OOPHORITIS AND SALPINGITIS, UNSPECIFIED EXA 0167 01670 TUBERCULOSIS OF OTHER FEMALE GENITAL ORGANS, 0169 01690 UNSPECIFIED GENITOURINARY TUBERCULOSIS, UNSPECIFIED EXA 0170 01700 TUBERCULOSIS OF SKIN AND SUBCUTANEOUS CELLULAR TISSUE, 0171 01710 ERYTHEMA NODOSUM WITH HYPERSENSITIVITY REACTION IN 0172 01720 TUBERCULOSIS OF PERIPHERAL LYMPH NODES, UNSPECIFIED EXA 0173 01730 TUBERCULOSIS OF EYE, UNSPECIFIED EXAMINATION 0174 01740 TUBERCULOSIS OF EAR, UNSPECIFIED EXAMINATION 0175 01750 TUBERCULOSIS OF THYROID GLAND, UNSPECIFIED ORIGIN 0176 01760 TUBERCULOSIS OF ADRENAL GLANDS, UNSPECIFIED EXAMINATION 0177 01770 TUBERCULOSIS OF SPLEEN, UNSPECIFIED EXAMINATION 0178 01780 TUBERCULOSIS OF ESOPHAGUS, UNSPECIFIED EXAMINATION 0179 01790 TUBERCULOSIS OF OTHER SPECIFIED ORGANS, UNSPECIFIED EXA 0180 01800 ACUTE MILIARY TUBERCULOSIS, UNSPECIFIED EXAMINATION 0188 01880 OTHER SPECIFIED MILIARY TUBERCULOSIS, UNSPECIFIED EXAMI

CHAM-PUS ICD-9-CM CODE CODE TITLE 0189 01890 UNSPECIFIED MILIARY TUBERCULOSIS, UNSPECIFIED EXAMINATI 0328 03289 OTHER SPECIFIED DIPHTHERIA 0364 03640 MENINGOCOCCAL CARDITIS, UNSPECIFIED 0368 03689 OTHER SPECIFIED MENINGOCOCCAL INFECTIONS 0384 03840 SEPTICEMIA DUE TO GRAM-NEGATIVE ORGANISM, UNSPECIFIED 0408 04089 OTHER SPECIFIED BACTERIAL DISEASES 0450 04500 ACUTE PARALYTIC POLIOMYELITIS SPECIFIED AS BULBAR. 0451 04510 ACUTE POLIOMYELITIS WITH OTHER PARALYSIS, UNSPECIFIED T 0452 04520 ACUTE NONPARALYTIC POLIOMYELITIS, 0459 04590 UNSPECIFIED ACUTE POLIOMYELITIS, UNSPECIFIED TYPE POLIO 0531 05312 POSTHERPETIC TRIGEMINAL NEURALGIA 0532 05329 HERPES ZOSTER WITH OTHER OPHTHALMIC COMPLICATIONS 0537 05379 HERPES ZOSTER WITH OTHER SPECIFIED COMPLICATIONS 0541 05410 GENITAL HERPES, UNSPECIFIED 0544 05443 HERPES SIMPLEX DISCIFORM KERATITIS 0547 05479 HERPES SIMPLEX WITH OTHER SPECIFIED COMPLICATIONS 0557 05579 MEASLES WITH OTHER SPECIFIED COMPLICATIONS 0560 05800 RUBELLA WITH UNSPECIFIED NEUROLOGICAL COMPLICATION 0567 05679 RUBELLA WITH OTHER SPECIFIED COMPLICATIONS 0727 07279 MUMPS WITH OTHER SPECIFIED COMPLICATIONS 0742 07420 COXSACKIE CARDITIS, UNSPECIFIED 0788 07889 OTHER SPECIFIED DISEASES DUE TO VIRUSES AND CHLAMYDIAE 0888 08889 OTHER SPECIFIED ARTHROPOD-BORNE DISEASE 0904 09040 JUVENILE NEUROSYPHILIS, UNSPECIFIED 0915 09150 SYPHILITIC UVEITIS, UNSPECIFIED 0916 09169 SECONDARY SYPHILIS OF OTHER VISCERA 0918 09189 OTHER FORMS OF SECONDARY SYPHILIS 0932 09320 SYPHILITIC ENDOCARDITIS OF VALVE, UNSPECIFIED 0938 09389 OTHER SPECIFIED CARDIOVASCULAR SYPHILIS 0948 09489 OTHER SPECIFIED NEUROSYPHILIS 0981 09810 GONOCOCCAL INFECTION (ACUTE) OF UPPER GENITOURINARY 0983 09830 CHRONIC GONOCOCCAL INFECTION OF UPPER GENITOURINARY 0984 09849 OTHER GONOCOCCAL INFECTION OF EYE 0985 09859 OTHER GONOCOCCAL INFECTION OF JOINT 0988 09889 GONOCOCCAL INFECTION OF OTHER SPECIFIED SITES 1008 10089 OTHER SPECIFIED LEPTOSPIRAL INFECTIONS 1128 11289 OTHER CANDIDIASIS OF OTHER SPECIFIED SITES 1150 11500 INFECTION BY HISTOPLASMA CAPSULATUM, WITHOUT MENTION OF 1151 11510 INFECTION BY HISTOPLASMA DUBOISII, WITHOUT MENTION OF 1159 11590 HISTOPLASMOSIS, UNSPECIFIED WITHOUT MENTION OF MANIFEST 1310 13101 TRICHOMONAL VULVOVAGINITIS 1988 19882 SECONDARY MALIGNANT NEOPLASM OF GENITAL ORGANS 2000 20000 RETICULOSARCOMA, UNSPECIFIED SITE 2001 20010 LYMPHOSARCOMA, UNSPECIFIED SITE 2002 20020 BURKITT'S TUMOR OR LYMPHOMA, UNSPECIFIED SITE 2008 20080 OTHER NAMED VARIANTS OF LYMPHOSARCOMA AND RETICULOSARCO

2010 20100 HODGKIN'S PARAGRANULOMA, UNSPECIFIED SITE

PUS ICD-9-CM CODE CODE TITLE 2011 20110 HODGKIN'S GRANULOMA, UNSPECIFIED SITE 2012 20120 HODGKIN'S SARCOMA, UNSPECIFIED SITE 2014 20140 HODGKIN'S DISEASE, LYMPHOCYTIC-HISTIOCYTIC PREDOMINANCE 2015 20150 HODGKIN'S DISEASE, NODULAR SCLEROSIS, UNSPECIFIED SITE 2016 20160 HODGKIN'S DISEASE, MIXED CELLULARITY, UNSPECIFIED SITE 2017 20170 HODGKIN'S DISEASE, LYMPHOCYTIC DEPLETION, UNSPECIFIED S 2019 20190 HODGKIN'S DISEASE, UNSPECIFIED TYPE, UNSPECIFIED SITE 2020 20200 NODULAR LYMPHOMA, UNSPECIFIED SITE 2021 20210 MYCOSIS FUNGOIDES, UNSPECIFIED SITE 2022 20220 SEZARY'S DISEASE, UNSPECIFIED SITE 2023 20230 MALIGNANT HISTIOCYTOSIS, UNSPECIFIED SITE 2024 20240 LEUKEMIC RETICULOENDOTHELIOSIS, UNSPECIFIED SITE 2025 20250 LETTERER-SIWE DISEASE, UNSPECIFIED SITE 2026 20260 MALIGNANT MAST CELL TUMORS, UNSPECIFIED SITE 2028 20280 OTHER MALIGNANT LYMPHOMAS, UNSPECIFIED SITE 2029 20290 OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS OF LYMPHOID 2238 22381 BENIGN NEOPLASM OF URETHRA 2280 22800 HEMANGIOMA OF UNSPECIFIED SITE 2369 23690 NEOPLASM OF UNCERTAIN BEHAVIOR OF URINARY ORGAN, UNSPEC 2420 24200 TOXIC DIFFUSE GOITER WITHOUT MENTION OF THYROTOXIC CRIS 2421 24210 TOXIC UNINODULAR GOITER WITHOUT MENTION OF THYROTOXIC C 2422 24220 TOXIC MULTINODULAR GOITER WITHOUT MENTION OF THYROTOXIC 2423 24230 TCXIC NODULAR GOITER, UNSPECIFIED TYPE, WITHOUT MENTION 2424 24240 THYROTOXICOSIS FROM ECTOPIC THYROID NODULE WITHOUT MENT 2428 24280 THYROTOXICOSIS OF OTHER SPECIFIED ORIGIN WITHOUT MENTIO 2429 24290 THYROTOXICOSIS WITHOUT MENTION OF GOITER OR OTHER CAUSE 2500 25000 ADULT-ONSET TYPE DIABETES MELLITUS WITHOUT MENTION OF 2501 25010 ADULT-ONSET TYPE DIABETES MELLITUS WITH KETOACIDOSIS 2502 25020 ADULT-ONSET TYPE DIABETES MELLITUS WITH HYPEROSMOLAR CO 2503 25030 ADULT-ONSET TYPE DIABETES MELLITUS WITH OTHER COMA 2504 25040 ADULT-ONSET TYPE DIABETES MELLITUS WITH RENAL MANIFESTA 2505 25050 ADULT-ONSET TYPE DIABETES MELLITUS WITH OPHTHALMIC 2506 25060 ADULT-ONSET TYPE DIABETES MELLITUS WITH NEUROLOGICAL 2507 25070 ADULT-ONSET TYPE DIABETES MELLITUS WITH PERIPHERAL CIRC 2508 25080 ADULT-ONSET TYPE DIABETES MELLITUS WITH OTHER SPECIFIED 2509 25090 ADULT-ONSET TYPE DIABETES MELLITUS WITH UNSPECIFIED COM 2741 27410 GOUTY NEPHROPATHY, UNSPECIFIED 2748 27489 GOUT WITH OTHER SPECIFIED MANIFESTATIONS 2770 27700 CYSTIC FIBROSIS WITHOUT MENTION OF MECONIUM ILEUS 2790 27901 SELECTIVE IGA IMMUNODEFICIENCY 2791 27919 OTHER DEFICIENCY OF CELL-MEDIATED IMMUNITY 2826 28262 HB-S DISEASE WITH MENTION OF CRISIS 2895 28959 OTHER DISEASES OF SPLEEN 2901 29010 PRESENILE DEMENTIA, UNCOMPLICATED 2902 29021 SENILE DEMENTIA WITH DEPRESSIVE FEATURES 2904 29040 ARTERIOSCLEROTIC DEMENTIA, UNCOMPLICATED

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2921 29211 DRUG-INDUCED ORGANIC DELUSIONAL SYNDROME

3045 30450 HALLUCINOGEN DEPENDENCE, UNSPECIFIED USE

3046 30461 OTHER SPECIFIED DRUG DEPENDENCE, CONTINUOUS USE

3047 30470 COMBINATIONS OF OPIOID TYPE DRUG WITH ANY OTHER DRUG 3048 30480 COMBINATIONS OF DRUG DEPENDENCE EXCLUDING OPIOID

CHAM-PUS ICD-9-CM CODE CODE TITLE 3049 30490 UNSPECIFIED DRUG DEPENDENCE, UNSPECIFIED USE 3050 30500 ALCOHOL ABUSE, UNSPECIFIED DRINKING BEHAVIOR 3051 30510 TOBACCO USE DISORDER, UNSPECIFIED USE 3052 30520 CANNABIS ABUSE, UNSPECIFIED USE 3053 30530 HALLUCINOGEN ABUSE, UNSPECIFIED USE 3054 30540 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR 3055 30550 OPIOID ABUSE, UNSPECIFIED USE 3056 30561 COCAINE ABUSE, CONTINUOUS USE 3057 30570 AMPHETAMINE OR RELATED ACTING SYMPATHOMIMETIC ABUSE. 3058 30580 ANTIDEPRESSANT TYPE ABUSE, UNSPECIFIED USE 3059 30590 OTHER, MIXED, OR UNSPECIFIED DRUG ABUSE, UNSPECIFIED US 3065 30650 PSYCHOGENIC GENITOURINARY MALFUNCTION, UNSPECIFIED 3072 30723 GILLES DE LA TOURETTE'S DISORDER 3074 30747 OTHER DYSFUNCTIONS OF SLEEP STAGES OR AROUSAL FROM SLEE 3075 30750 EATING DISORDER, UNSPECIFIED 3078 30781 TENSION HEADACHE 3092 30928 ADJUSTMENT REACTION WITH MIXED EMOTIONAL FEATURES 3098 30981 PROLONGED POSTTRAUMATIC STRESS DISORDER 3120 31200 UNDERSOCIALIZED CONDUCT DISORDER, AGGRESSIVE TYPE, 3121 31210 UNDERSOCIALIZED CONDUCT DISORDER, UNAGGRESSIVE TYPE, 3122 31221 SOCIALIZED CONDUCT DISORDER, MILD DEGREE 3123 31230 IMPULSE CONTROL DISORDER, UNSPECIFIED 3132 31322 INTROVERTED DISORDER OF CHILDHOOD 3138 31382 IDENTITY DISORDER OF CHILDHOOD OR ADOLESCENCE 3140 31400 ATTENTION DEFICIT DISORDER OF CHILDHOOD WITHOUT MENTION 3150 31500 DEVELOPMENTAL READING DISORDER, UNSPECIFIED 3153 31539 OTHER DEVELOPMENTAL SPEECH DISORDER 3318 33181 REYE'S SYNDROME 3338 33381 BLEPHAROSPASM 3339 33390 UNSPECIFIED EXTRAPYRAMIDAL DISEASE AND ABNORMAL 3351 33510 SPINAL MUSCULAR ATROPHY, UNSPECIFIED 3352 33520 AMYOTROPHIC LATERAL SCLEROSIS 3446 34461 CAUDA EQUINA SYNDROME WITH NEUROGENIC BLADDER 3450 34500 GENERALIZED NONCONVULSIVE EPILEPSY, WO MENT INTRACT EPILEPSY 3451 34510 GENERALIZED CONVULSIVE EPILEPSY, WO MENT INTRACT EPILEPSY 3454 34540 PARTIAL EPILEPSY, W/CONSCIOUSNESS IMPAIRMT, WO MENT INTR EPI 3455 34550 PARTIAL EPILEPSY, WO CONSCIOUSNESS IMPRMT, WO MENT INTR EPI 3456 34560 INFANTILE SPASMS, WO MENT INTRACT EPILEPSY 3457 34570 EPILEPSIA PARTIALIS CONTINUA, WO MENT INTRACT EPILEPSY 3458 34580 OTH FORMS OF EPILEPSY, WO MENT INTRACT EPILEPSY 3459 34590 EPILEPSY, UNSPECIFIED, WO MENT INTRACT EPILEPSY 3498 34989 OTHER SPECIFIED DISORDERS OF NERVOUS SYSTEM 3600 36000 PURULENT ENDOPHTHALMITIS, UNSPECIFIED 3601 36019 OTHER ENDOPHTHALMITIS 3602 36021 PROGRESSIVE HIGH (DEGENERATIVE) MYOPIA 3603 36030 HYPOTONY OF EYE, UNSPECIFIED

3604 36043 HEMOPHTHALMOS, EXCEPT CURRENT INJURY

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CHAM-
      ICD-9-CM
PUS
CODE CODE TITLE
3605 36050 FOREIGN BODY, MAGNETIC, INTRAOCULAR, UNSPECIFIED
3606 36060 FOREIGN BODY, INTRAOCULAR, UNSPECIFIED
3608 36089 OTHER DISORDERS OF GLOBE
3610 36100 RETINAL DETACHMENT WITH RETINAL DEFECT, UNSPECIFIED
3611 36110 RETINOSCHISIS, UNSPECIFIED
3613 36130 RETINAL DEFECT, UNSPECIFIED
3618 36189 OTHER FORMS OF RETINAL DETACHMENT
3620 36201 BACKGROUND DIABETIC RETINOPATHY
3621 36211 HYPERTENSIVE RETINOPATHY
3622 36221 RETROLENTAL FIBROPLASIA
3623 36234 TRANSIENT RETINAL ARTERIAL OCCLUSION
3624 36241 CENTRAL SEROUS RETINOPATHY
3625 36250 MACULAR DEGENERATION (SENILE) OF RETINA, UNSPECIFIED
3626 36263 LATTICE DEGENERATION OF RETINA
3627 36274 PIGMENTARY RETINAL DYSTROPHY
3628 36281 RETINAL HEMORRHAGE
3630 36300 FOCAL CHORIORETINITIS, UNSPECIFIED
3631 36315 DISSEMINATED RETINITIS AND RETINOCHOROIDITIS, PIGMENT
3632 36320 CHORIORETINITIS, UNSPECIFIED
3633 36332 OTHER MACULAR SCARS OF RETINA
3634 36341 SENILE ATROPHY OF CHOROID
3635 36350 HEREDITARY CHOROIDAL DYSTROPHY OR ATROPHY, UNSPECIFIED
3636 36363 CHOROIDAL RUPTURE
3637 36370 CHOROIDAL DETACHMENT, UNSPECIFIED
3640 36400 ACUTE AND SUBACUTE IRIDOCYCLITIS, UNSPECIFIED
3641 36410 CHRONIC IRIDOCYCLITIS, UNSPECIFIED
3642 36422 GLAUCOMATOCYCLITIC CRISES
3644 36441 HYPHEMA OF IRIS AND CILIARY BODY
3645 36453 PIGMENTARY IRIS DEGENERATION
3646 36460 IDIOPATHIC CYSTS OF IRIS AND CILIARY BODY
3647 36471 POSTERIOR SYNECHIAE OF IRIS
3650 36504 OCULAR HYPERTENSION
3651 36511 PRIMARY OPEN ANGLE GLAUCOMA
3652 36520 PRIMARY ANGLE-CLOSURE GLAUCOMA, UNSPECIFIED
3653 36532 CORTICOSTEROID-INDUCED GLAUCOMA, RESIDUAL STAGE
3654 36544 GLAUCOMA ASSOCIATED WITH SYSTEMIC SYNDROMES
3655 36559 GLAUCOMA ASSOCIATED WITH OTHER LENS DISORDERS
3656 36560 GLAUCOMA ASSOCIATED WITH UNSPECIFIED OCULAR DISORDER
3658 36589 OTHER SPECIFIED GLAUCOMA
3660 36603 CORTICAL, LAMELLAR, OR ZONULAR NONSENILE CATARACT
3661 36616 SENILE NUCLEAR SCLEROSIS
3662 36620 TRAUMATIC CATARACT, UNSPECIFIED
3663 36630 CATARACTA COMPLICATA, UNSPECIFIED
3664 36644 CATARACT ASSOCIATED WITH OTHER SYNDROMES
3665 36650 AFTER-CATARACT, UNSPECIFIED
3672 36720 ASTIGMATISM, UNSPECIFIED
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3673 36731 ANISOMETROPIA

CHAM-PUS ICD-9-CM CODE CODE TITLE 3675 36753 SPASM OF ACCOMMODATION 3678 36781 TRANSIENT REFRACTIVE CHANGE 3680 36800 AMBLYOPIA, UNSPECIFIED 3681 36813 VISUAL DISCOMFORT 3683 36830 BINOCULAR VISION DISORDER, UNSPECIFIED 3684 36846 HOMONYMOUS BILATERAL FIELD DEFECTS 3685 36859 OTHER COLOR VISION DEFICIENCIES 3686 36869 OTHER NIGHT BLINDNESS 3690 36900 BLINDNESS OF BOTH EYES, IMPAIRMENT LEVEL NOT FURTHER SP 3691 36910 BLINDNESS, ONE EYE; LOW VISION OTHER EYE 3692 36925 BETTER EYE: MODERATE VISION IMPAIRMENT; 3696 36960 BLINDNESS, ONE EYE, NOT OTHERWISE SPECIFIED 3697 36970 LOW VISION, ONE EYE, NOT OTHERWISE SPECIFIED 3700 37000 CORNEAL ULCER, UNSPECIFIED 3702 37021 PUNCTATE KERATITIS 3703 37033 KERATOCONJUNCTIVITIS SICCA, NOT SPECIFIED AS SJOGREN'S 3704 37040 KERATOCONJUNCTIVITIS, UNSPECIFIED 3705 37050 INTERSTITIAL KERATITIS, UNSPECIFIED 3706 37060 CORNEAL NEOVASCULARIZATION, UNSPECIFIED 3710 37100 CORNEAL OPACITY, UNSPECIFIED 3711 37113 POSTERIOR CORNEAL PIGMENTATIONS 3712 37120 CORNEAL EDEMA, UNSPECIFIED 3713 37130 CORNEAL MEMBRANE CHANGE, UNSPECIFIED 3714 37142 RECURRENT EROSION OF CORNEA 3715 37157 ENDOTHELIAL CORNEAL DYSTROPHY 3716 37160 KERATOCONUS, UNSPECIFIED 3717 37170 CORNEAL DEFORMITY, UNSPECIFIED 3718 37189 OTHER CORNEAL DISORDERS 3720 37205 ACUTE ATOPIC CONJUNCTIVITIS 3721 37214 OTHER CHRONIC ALLERGIC CONJUNCTIVITIS 3722 37220 BLEPHAROCONJUNCTIVITIS, UNSPECIFIED 3723 37230 CONJUNCTIVITIS, UNSPECIFIED 3724 37240 PTERYGIUM, UNSPECIFIED 3725 37251 PINGUECULA 3726 37264 SCARRING OF CONJUNCTIVA 3727 37272 CONJUNCTIVAL HEMORRHAGE 3730 37300 BLEPHARITIS, UNSPECIFIED 3731 37311 HORDEOLUM EXTERNUM 3733 37331 ECZEMATOUS DERMATITIS OF EYELID 3740 37400 ENTROPION, UNSPECIFIED 3741 37410 ECTROPION, UNSPECIFIED 3742 37420 LAGOPHTHALMOS, UNSPECIFIED 3743 37430 PTOSIS OF EYELID, UNSPECIFIED 3744 37445 OTHER SENSORIMOTOR DISORDERS OF EYELID 3745 37456 OTHER DEGENERATIVE DISORDERS OF SKIN AFFECTING EYELID 3748 37489 OTHER DISORDERS OF EYELID

3750 37500 DACRYOADENITIS, UNSPECIFIED

CHAM-PUS ICD-9-CM CODE CODE TITLE 3751 37515 TEAR FILM INSUFFICIENCY, UNSPECIFIED 3752 37520 EPIPHORA, UNSPECIFIED AS TO CAUSE 3753 37530 DACRYOCYSTITIS, UNSPECIFIED 3754 37541 CHRONIC CANALICULITIS 3755 37556 STENOSIS OF NASOLACRIMAL DUCT, ACQUIRED 3756 37569 OTHER CHANGES OF LACRIMAL PASSAGES 3758 37589 OTHER DISORDERS OF LACRIMAL SYSTEM 3760 37601 ORBITAL CELLULITIS 3761 37611 ORBITAL GRANULOMA 3762 37621 THYROTOXIC EXOPHTHALMOS 3763 37630 EXOPHTHALMOS, UNSPECIFIED 3764 37640 DEFORMITY OF ORBIT, UNSPECIFIED 3765 37652 ENOPHTHALMOS DUE TO TRAUMA OR SURGERY **3768 37681 ORBITAL CYSTS** 3770 37700 PAPILLEDEMA, UNSPECIFIED 3771 37710 OPTIC ATROPHY, UNSPECIFIED 3772 37721 DRUSEN OF OPTIC DISC 3773 37730 OPTIC NEURITIS, UNSPECIFIED 3774 37741 ISCHEMIC OPTIC NEUROPATHY 3775 37754 DISORDERS OF OPTIC CHIASM ASSOCIATED WITH INFLAMMATORY 3776 37761 DISORDERS OF OTHER VISUAL PATHWAYS ASSOCIATED WITH NEOP 3777 37771 DISORDERS OF VISUAL CORTEX ASSOCIATED WITH NEOPLASMS 3780 37805 ALTERNATING ESOTROPIA 3781 37810 EXOTROPIA, UNSPECIFIED 3782 37820 INTERMITTENT HETEROTROPIA, UNSPECIFIED 3783 37835 ACCOMMODATIVE COMPONENT IN ESOTROPIA 3784 37842 EXOPHORIA 3785 37851 THIRD OR OCULOMOTOR NERVE PALSY, PARTIAL 3786 37860 MECHANICAL STRABISMUS, UNSPECIFIED 3787 37871 DUANE'S SYNDROME 3788 37883 CONVERGENCE INSUFFICIENCY OR PALSY 3790 37900 SCLERITIS, UNSPECIFIED 3791 37919 OTHER SCLERAL DISORDERS 3792 37924 OTHER VITREOUS OPACITIES 3793 37931 APHAKIA 3794 37942 MIOSIS (PERSISTENT), NOT DUE TO MIOTICS 3795 37950 NYSTAGMUS, UNSPECIFIED 3799 37999 OTHER ILL-DEFINED DISORDERS OF EYE 3800 38000 PERICHONDRITIS OF PINNA, UNSPECIFIED 3801 38010 INFECTIVE OTITIS EXTERNA, UNSPECIFIED 3802 38023 OTHER CHRONIC OTITIS EXTERNA 3803 38039 OTHER NONINFECTIOUS DISORDERS OF PINNA 3805 38050 ACQUIRED STENOSIS OF EXTERNAL EAR CANAL, UNSPECIFIED 3808 38089 OTHER DISORDERS OF EXTERNAL EAR 3810 38101 ACUTE SEROUS OTITIS MEDIA 3811 38110 CHRONIC SEROUS OTITIS MEDIA, SIMPLE OR UNSPECIFIED

3812 38120 CHRONIC MUCOID OTITIS MEDIA, SIMPLE OR UNSPECIFIED

CHAM-PUS ICD-9-CM CODE CODE TITLE 3815 38150 EUSTACHIAN SALPINGITIS, UNSPECIFIED 3816 38160 OBSTRUCTION OF EUSTACHIAN TUBE, UNSPECIFIED 3818 38181 DYSFUNCTION OF EUSTACHIAN TUBE 3820 38200 ACUTE SUPPURATIVE OTITIS MEDIA WITHOUT SPONTANEOUS RUPT 3830 38300 ACUTE MASTOIDITIS WITHOUT COMPLICATIONS 3832 38320 PETROSITIS, UNSPECIFIED 3833 38330 POSTMASTOIDECTOMY COMPLICATION, UNSPECIFIED 3838 38389 OTHER DISORDERS OF MASTOID 3840 38400 ACUTE MYRINGITIS, UNSPECIFIED 3842 38420 PERFORATION OF TYMPANIC MEMBRANE, UNSPECIFIED 3848 38481 ATROPHIC FLACCID TYMPANIC MEMBRANE 3850 38500 TYMPANOSCLEROSIS, UNSPECIFIED AS TO INVOLVEMENT 3851 38510 ADHESIVE MIDDLE EAR DISEASE, UNSPECIFIED AS TO INVOLVEM 3852 38523 DISCONTINUITY OR DISLOCATION OF EAR OSSICLES 3853 38530 CHOLESTEATOMA, UNSPECIFIED 3858 38589 OTHER DISORDERS OF MIDDLE EAR AND MASTOID 3860 38600 MENIERE'S DISEASE, UNSPECIFIED 3861 38611 BENIGN PAROXYSMAL POSITIONAL VERTIGO 3863 38630 LABYRINTHITIS, UNSPECIFIED 3864 38640 LABYRINTHINE FISTULA, UNSPECIFIED 3865 38650 LABYRINTHINE DYSFUNCTION, UNSPECIFIED 3880 38801 PRESBYACUSIS 3881 38812 NOISE-INDUCED HEARING LOSS 3883 38830 TINNITUS, UNSPECIFIED 3884 38840 ABNORMAL AUDITORY PERCEPTION. UNSPECIFIED 3886 38860 OTORRHEA, UNSPECIFIED 3887 38870 OTALGIA, UNSPECIFIED 3890 38900 CONDUCTIVE HEARING LOSS, UNSPECIFIED 3891 38910 SENSORINEURAL HEARING LOSS, UNSPECIFIED 3989 39890 RHEUMATIC HEART DISEASE, UNSPECIFIED 4020 40200 HYPERTENSIVE HEART DIS, MALIGNANT, WO CONGESTIVE HEART FLR 4021 40210 HYPERTENSIVE HEART DIS, BENIGN, WO CONGESTIVE HEART FAILURE 4029 40290 UNSPECIFIED HYPERTENSIVE HEART DISEASE WITHOUT CONGESTI 4030 40300 HYPERTENSIVE RENAL DIS, MALIGNANT, WO MENT OF RENAL FAILURE 4031 40310 HYPERTENSIVE RENAL DIS, BENIGN, WO MENT OF RENAL FAILURE 4039 40390 HYPERTENSIVE RENAL DIS, UNSPEC, WO MENT OF RENAL FAILURE 4040 40400 HYPERTNSV HEART & RENAL DIS, MALIGNANT, WO MENT HRT, RENL FLR 4041 40410 HYPERTNSV HEART & RENAL DIS, BENIGN, WO MENT HRT, RENL FLR 4049 40490 HYPERTNSV HEART & RENAL DIS, UNSPEC, WO MENT HRT, RENL FLR 4050 40509 OTHER MALIGNANT SECONDARY HYPERTENSION 4051 40519 OTHER BENIGN SECONDARY HYPERTENSION 4059 40591 UNSPECIFIED RENOVASCULAR HYPERTENSION 4100 41000 ACUTE MYOCARDIAL INFARCTION, EPISODE OF CARE UNSPECIFIED 4101 41010 ACUTE MYOCARDIAL INFARCTION OF OTH ANTERIOR WALL, NOS 4102 41020 ACUTE MYOCARDIAL INFARCTION, INFEROLATERAL WALL, NOS 4103 41030 ACUTE MYOCARDIAL INFARCTION, INFEROPOSTERIOR WALL, NOS

4104 41040 ACUTE MYOCARDIAL INFARCTION, OF OTH INFERIOR WALL, NOS

CHAM-PUS ICD-9-CM CODE CODE TITLE 4105 41050 ACUTE MYOCARDIAL INFARCTION, OF OTHER LATERAL WALL, NOS 4106 41060 ACUTE MYOCARDIAL INFARCTION, TRUE POSTERIOR WALL INFARCTN 4107 41070 SUBENDOCARDIAL INFARCTION, EPISODE OF CARE UNSPECIFIED 4108 41080 ACUTE MYOCARDIAL INFARCTION, OTH SPECIFIED SITES, NOS 4109 41090 ACUTE MYOCARDIAL INFARCTION, UNSPEC SITE, EPISODE NOS 4118 41189 OTH ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE 4141 41411 ANEURYSM OF CORONARY VESSELS 4209 42091 ACUTE IDIOPATHIC PERICARDITIS 4229 42291 IDIOPATHIC MYOCARDITIS 4249 42490 ENDOCARDITIS, VALVE UNSPECIFIED, UNSPECIFIED CAUSE 4261 42610 ATRIOVENTRICULAR BLOCK, UNSPECIFIED 4265 42653 OTHER BILATERAL BUNDLE BRANCH BLOCK 4268 42689 OTHER SPECIFIED CONDUCTION DISORDERS 4273 42731 ATRIAL FIBRILLATION 4274 42742 VENTRICULAR FLUTTER 4276 42769 OTHER PREMATURE BEATS 4278 42789 OTHER SPECIFIED CARDIAC DYSRHYTHMIAS 4298 42989 OTHER ILL-DEFINED HEART DISEASES 4428 44289 ANEURYSM OF OTHER SPECIFIED SITE 4438 44389 OTHER PERIPHERAL VASCULAR DISEASE 4442 44422 ARTERIAL EMBOLISM AND THROMBOSIS OF LOWER EXTREMITY 4448 44481 EMBOLISM AND THROMBOSIS OF ILIAC ARTERY 4511 45119 PHLEBITIS AND THROMBOPHLEBITIS OF OTHER DEEP VESSELS OF 4518 45189 PHLEBITIS AND THROMBOPHLEBITIS OF OTHER SITES 4562 45621 ESOPHAGEAL VARICES IN DISEASES CLASSIFIED ELSEWHERE, 4598 45981 VENOUS (PERIPHERAL) INSUFFICIENCY, UNSPECIFIED 4641 46410 ACUTE TRACHEITIS WITHOUT MENTION OF OBSTRUCTION 4642 46420 ACUTE LARYNGOTRACHEITIS WITHOUT MENTION OF OBSTRUCTION 4643 46430 ACUTE EPIGLOTTITIS WITHOUT MENTION OF OBSTRUCTION 4741 47411 HYPERTROPHY OF TONSILS ALONE 4782 47829 OTHER DISEASES OF PHARYNX OR NASOPHARYNX 4783 47830 UNSPECIFIED PARALYSIS OF VOCAL CORDS 4787 47870 UNSPECIFIED DISEASE OF LARYNX 4930 49300 EXTRINSIC ASTHMA WITHOUT MENTION OF STATUS ASTHMATICUS 4931 49310 INTRINSIC ASTHMA WITHOUT MENTION OF STATUS ASTHMATICUS 4939 49390 ASTHMA, UNSPECIFIED TYPE, WITHOUT MENTION OF STATUS AST 5188 51889 OTHER DISEASES OF LUNG, NOT ELSEWHERE CLASSIFIED 5268 52681 EXOSTOSIS OF JAW 5310 53100 ACUTE GASTRIC ULCER WITH HEMORRHAGE, 5311 53110 ACUTE GASTRIC ULCER WITH PERFORATION, 5312 53120 ACUTE GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION, 5313 53130 ACUTE GASTRIC ULCER WITHOUT MENTION OF HEMORRHAGE OR 5314 53140 CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE, 5315 53150 CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH PERFORATION, 5316 53160 CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE AN

5317 53170 CHRONIC GASTRIC ULCER WITHOUT MENTION OF HEMORRHAGE OR 5319 53190 GASTRIC ULCER, UNSPECIFIED AS ACUTE OR CHRONIC, WITHOUT

CODE CODE TITLE 5320 53200 ACUTE DUODENAL ULCER WITH HEMORRHAGE, WITHOUT MENTION O 5321 53210 ACUTE DUODENAL ULCER WITH PERFORATION, WITHOUT MENTION 5322 53220 ACUTE DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION, 5323 53230 ACUTE DUODENAL ULCER WITHOUT MENTION OF HEMORRHAGE OR 5324 53240 CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE, 5325 53250 CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH PERFORATION. 5326 53260 CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE A 5327 53270 CHRONIC DUODENAL ULCER WITHOUT MENTION OF HEMORRHAGE OR 5329 53290 DUODENAL ULCER, UNSPECIFIED AS ACUTE OR CHRONIC, WITHOU 5330 53300 ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE, 5331 53310 ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH PERFORATION 5332 53320 ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE 5333 53330 ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITHOUT MENTION 5334 53340 CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE 5335 53350 CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE 5336 53360 CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE 5337 53370 CHRONIC PEPTIC ULCER OF UNSPECIFIED SITE WITHOUT MENTIO 5339 53390 PEPTIC ULCER OF UNSPECIFIED SITE, UNSPECIFIED AS ACUTE 5340 53400 ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE, 5341 53410 ACUTE GASTROJEJUNAL ULCER WITH PERFORATION, 5342 53420 ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATI 5343 53430 ACUTE GASTROJEJUNAL ULCER WITHOUT MENTION OF HEMORRHAGE 5344 53440 CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRH 5345 53450 CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH PERFORA 5346 53460 CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRH 5347 53470 CHRONIC GASTROJEJUNAL ULCER WITHOUT MENTION OF HEMORRHA 5349 53490 GASTROJEJUNAL ULCER, UNSPECIFIED AS ACUTE OR CHRONIC, 5378 53781 PYLOROSPASM 5500 55000 UNILATERAL OR UNSPECIFIED INGUINAL HERNIA, WITH GANGREN 5501 55010 UNILATERAL OR UNSPECIFIED INGUINAL HERNIA, WITH OBSTRUC 5509 55090 UNILATERAL OR UNSPECIFIED INGUINAL HERNIA, WITHOUT MENT 5510 55100 UNILATERAL OR UNSPECIFIED FEMORAL HERNIA WITH GANGRENE 5512 55120 UNSPECIFIED VENTRAL HERNIA WITH GANGRENE 5520 55200 UNILATERAL OR UNSPECIFIED FEMORAL HERNIA WITH OBSTRUCTI 5522 55220 UNSPECIFIED VENTRAL HERNIA WITH OBSTRUCTION 5530 55300 UNILATERAL OR UNSPECIFIED FEMORAL HERNIA WITHOUT MENTIO 5532 55321 INCISIONAL HERNIA WITHOUT MENTION OF OBSTRUCTION OR GAN 5603 56039 OTHER IMPACTION OF INTESTINE 5608 56081 INTESTINAL OR PERITONEAL ADHESIONS WITH OBSTRUCTION 5620 56200 DIVERTICULOSIS OF SMALL INTESTINE 5621 56211 DIVERTICULITIS OF COLON 5688 56889 OTHER SPECIFIED DISORDERS OF PERITONEUM 5694 56949 OTHER SPECIFIED DISORDERS OF RECTUM AND ANUS 5698 56982 ULCERATION OF INTESTINE 5714 57140 CHRONIC HEPATITIS, UNSPECIFIED 5740 57400 CALCULUS OF GALLBLADDER WITH ACUTE CHOLECYSTITIS, 5741 57410 CALCULUS OF GALLBLADDER WITH OTHER CHOLECYSTITIS,

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CODE CODE TITLE
5742 57420 CALCULUS OF GALLBLADDER WITHOUT MENTION OF CHOLECYSTITI
5743 57430 CALCULUS OF BILE DUCT WITH ACUTE CHOLECYSTITIS
5744 57440 CALCULUS OF BILE DUCT WITH OTHER CHOLECYSTITIS.
5745 57450 CALCULUS OF BILE DUCT WITHOUT MENTION OF CHOLECYSTITIS,
5808 58089 ACUTE GLOMERULONEPHRITIS WITH OTHER SPECIFIED PATHOLOGI
5818 58189 NEPHROTIC SYNDROME WITH OTHER SPECIFIED PATHOLOGICAL LE
5828 58289 CHRONIC GLOMERULONEPHRITIS WITH OTHER SPECIFIED PATHOLO
5838 58389 NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CH
5900 59000 CHRONIC PYELONEPHRITIS WITHOUT LESION OF RENAL MEDULLAR
5901 59010 ACUTE PYELONEPHRITIS WITHOUT LESION OF RENAL MEDULLARY
5908 59080 PYELONEPHRITIS, UNSPECIFIED
5938 59389 OTHER SPECIFIED DISORDERS OF KIDNEY AND URETER
5958 59589 OTHER SPECIFIED TYPES OF CYSTITIS
5978 59780 URETHRITIS, UNSPECIFIED
5980 59800 URETHRAL STRUCTURE DUE TO UNSPECIFIED INFECTION
6049 60490 ORCHITIS AND EPIDIDYMITIS, UNSPECIFIED
6078 60784 IMPOTENCE OF ORGANIC ORIGIN
6088 60889 OTHER SPECIFIED DISORDERS OF MALE GENITAL ORGANS
6117 61172 LUMP OR MASS IN BREAST
6161 61610 VAGINITIS AND VULVOVAGINITIS, UNSPECIFIED
6165 61650 ULCERATION OF VULVA, UNSPECIFIED
6340 63400 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY GENIT
6341 63410 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY DELAY
6342 63420 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY DAMAG
6343 63430 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY RENAL 6344 63440 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY METAB
6345 63450 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY SHOCK
6346 63460 SPONTANEOUS ABORTION, UNSPECIFIED, COMPLICATED BY EMBOL
6347 63470 SPONTANEOUS ABORTION, UNSPECIFIED, WITH OTHER SPECIFIED
6348 63480 SPONTANEOUS ABORTION, UNSPECIFIED, WITH UNSPECIFIED
6349 63490 SPONTANEOUS ABORTION, UNSPECIFIED, WITHOUT MENTION OF
6350 63500 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY G
6351 63510 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY D
6352 63520 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY D
6353 63530 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY R
6354 63540 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY
6355 63550 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY S
6356 63560 LEGALLY INDUCED ABORTION, UNSPECIFIED, COMPLICATED BY E
6357 63570 LEGALLY INDUCED ABORTION, UNSPECIFIED, WITH OTHER SPECI 6358 63580 LEGALLY INDUCED ABORTION, UNSPECIFIED, WITH UNSPECIFIED
6359 63590 LEGALLY INDUCED ABORTION, UNSPECIFIED, WITHOUT MENTION
6360 63600 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY GENITAL T
6361 63610 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY DELAYED O
6362 63620 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY DAMAGE TO
6363 63630 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY RENAL FAI
6364 63640 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY METABOLIC
6365 63650 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY SHOCK
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CODE CODE TITLE 6366 63660 ILLEGAL ABORTION, UNSPECIFIED, COMPLICATED BY EMBOLISM 6367 63670 ILLEGAL ABORTION, UNSPECIFIED, WITH OTHER SPECIFIED 6368 63680 ILLEGAL ABORTION, UNSPECIFIED, WITH UNSPECIFIED COMPLIC 6369 63690 ILLEGAL ABORTION, UNSPECIFIED, WITHOUT MENTION OF COMPL 6370 63700 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6371 63710 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6372 63720 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6373 63730 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6374 63740 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6375 63750 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6376 63760 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, COMPLICATED 6377 63770 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, WITH OTHER S 6378 63780 UNSPECIFIED TYPE OF ABORTION, UNSPECIFIED, WITH UNSPECI 6379 63791 UNSPECIFIED ABORTION, INCOMPLETE, WITHOUT MENTION OF 6400 64000 THREATENED ABORTION, UNSPECIFIED AS TO EPISODE OF CARE 6408 64080 OTHER SPECIFIED HEMORRHAGE IN EARLY PREGNANCY, UNSPECIF 6409 64093 UNSPECIFIED HEMORRHAGE IN EARLY PREGNANCY, ANTEPARTUM 6410 64103 PLACENTA PREVIA WITHOUT HEMORRHAGE, ANTEPARTUM 6411 64110 HEMORRHAGE FROM PLACENTA PREVIA, UNSPECIFIED AS TO EPIS 6412 64123 PREMATURE SEPARATION OF PLACENTA, ANTEPARTUM 6413 64133 ANTEPARTUM HEMORRHAGE ASSOCIATED WITH COAGULATION DEFEC 6418 64183 OTHER ANTEPARTUM HEMORRHAGE 6419 64193 UNSPECIFIED ANTEPARTUM HEMORRHAGE 6420 64203 ANTEPARTUM BENIGN ESSENTIAL HYPERTENSION 6421 64213 HYPERTENSION SECONDARY TO RENAL DISEASE, ANTEPARTUM 6422 64223 OTHER PRE-EXISTING HYPERTENSION, ANTEPARTUM 6423 64233 ANTEPARTUM TRANSIENT HYPERTENSION 6424 64243 MILD OR UNSPECIFIED PRE-ECLAMPSIA, ANTEPARTUM 6425 64253 SEVERE PRE-ECLAMPSIA, ANTEPARTUM 6426 64264 ECLAMPSIA, POSTPARTUM 6427 64273 PRE-ECLAMPSIA OR ECLAMPSIA SUPERIMPOSED ON PRE-EXISTING 6429 64293 UNSPECIFIED ANTEPARTUM HYPERTENSION 6430 64303 MILD HYPEREMESIS GRAVIDARUM, ANTEPARTUM 6431 64313 HYPEREMESIS GRAVIDARUM WITH METABOLIC DISTURBANCE, ANTE 6432 64323 LATE VOMITING OF PREGNANCY, ANTEPARTUM 6438 64383 OTHER VOMITING COMPLICATING PREGNANCY, ANTEPARTUM 6439 64393 UNSPECIFIED VOMITING OF PREGNANCY, ANTEPARTUM 6440 64403 THREATENED PREMATURE LABOR, ANTEPARTUM 6441 64413 OTHER THREATENED LABOR, ANTEPARTUM 6442 64420 EARLY ONSET OF DELIVERY, UNSPECIFIED AS TO EPISODE OF C 6450 64503 PROLONGED PREGNANCY, ANTEPARTUM 6460 64603 PAPYRACEOUS FETUS, ANTEPARTUM 6461 64613 ANTEPARTUM EDEMA OR EXCESSIVE WEIGHT GAIN 6462 64623 UNSPECIFIED ANTEPARTUM RENAL DISEASE 6463 64633 HABITUAL ABORTER, ANTEPARTUM CONDITION OR COMPLICATION 6464 64643 ANTEPARTUM PERIPHERAL NEURITIS

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6465 64653 ANTEPARTUM ASYMPTOMATIC BACTERIURIA

CHAM-ICD-9-CM PUS CODE CODE TITLE 6466 64663 ANTEPARTUM INFECTIONS OF GENITOURINARY TRACT 6467 64673 ANTEPARTUM LIVER DISORDERS 6468 64683 OTHER SPECIFIED ANTEPARTUM COMPLICATIONS 6469 64693 UNSPECIFIED ANTEPARTUM COMPLICATION 6470 64703 ANTEPARTUM SYPHILIS 6471 64713 ANTEPARTUM GONORRHEA 6472 64723 OTHER ANTEPARTUM VENEREAL DISEASES 6473 64733 ANTEPARTUM TUBERCULOSIS 6474 64743 ANTEPARTUM MALARIA 6475 64753 ANTEPARTUM RUBELLA 6476 64763 OTHER ANTEPARTUM VIRAL DISEASES 6478 64783 OTHER SPECIFIED INFECTIOUS AND PARASITIC DISEASES OF MO 6479 64794 UNSPECIFIED INFECTION OR INFESTATION OF MOTHER, POSTPAR 6480 64803 ANTEPARTUM DIABETES MELLITUS 6481 64813 ANTEPARTUM THYROID DYSFUNCTION 6482 64823 ANTEPARTUM ANEMIA 6483 64833 ANTEPARTUM DRUG DEPENDENCE 6484 64844 POSTPARTUM MENTAL DISORDERS OF MOTHER 6485 64853 CONGENITAL CARDIOVASCULAR DISORDERS OF MOTHER, ANTEPART 6486 64863 OTHER CARDIOVASCULAR DISEASES OF MOTHER, ANTEPARTUM 6487 64873 BONE AND JOINT DISORDERS OF BACK, PELVIS, AND LOWER LIM 6488 64883 ABNORMAL GLUCOSE TOLERANCE OF MOTHER, ANTEPARTUM 6489 64893 OTHER CURRENT CONDITIONS CLASSIFIABLE ELSEWHERE OF MOTH 6510 65103 TWIN PREGNANCY, ANTEPARTUM CONDITION OR COMPLICATION 6511 65111 TRIPLET PREGNANCY, DELIVERED 6512 65121 QUADRUPLET PREGNANCY, DELIVERED 6518 65181 OTHER SPECIFIED MULTIPLE GESTATION, DELIVERED 6519 65193 UNSPECIFIED MULTIPLE GESTATION, ANTEPARTUM CONDITION OR 6520 65201 UNSTABLE LIE, DELIVERED 6521 65211 BREECH OR OTHER MALPRESENTATION SUCCESSFULLY CONVERTED 6522 65223 BREECH PRESENTATION WITHOUT MENTION OF VERSION, ANTEPAR 6523 65233 TRANSVERSE OR OBLIQUE PRESENTATION, ANTEPARTUM 6524 65241 FACE OR BROW PRESENTATION, DELIVERED 6525 65251 HIGH HEAD AT TERM, DELIVERED 6526 65261 MULTIPLE GESTATION WITH MALPRESENTATION OF ONE FETUS 6527 65271 PROLAPSED ARM OF FETUS, DELIVERED 6528 65281 OTHER SPECIFIED MALPOSITION OR MALPRESENTATION, DELIVER 6529 65291 UNSPECIFIED MALPOSITION OR MALPRESENTATION, DELIVERED 6530 65301 MAJOR ABNORMALITY OF BONY PELVIS, NOT FURTHER SPECIFIED 6531 65311 GENERALLY CONTRACTED PELVIS, DELIVERED 6532 65321 INLET CONTRACTION OF PELVIS, DELIVERED 6533 65331 OUTLET CONTRACTION OF PELVIS, DELIVERED 6534 65343 FETOPELVIC DISPROPORTION, ANTEPARTUM 6535 65351 UNUSUALLY LARGE FETUS CAUSING DISPROPORTION, DELIVERED 6536 65360 HYDROCEPHALIC FETUS CAUSING DISPROPORTION, UNSPECIFIED 6537 65371 OTHER FETAL ABNORMALITY CAUSING DISPROPORTION, DELIVERE

6538 65381 DISPROPORTION OF OTHER ORIGIN, DELIVERED

CODE CODE TITLE 6539 65391 UNSPECIFIED DISPROPORTION, DELIVERED 6540 65401 CONGENITAL ABNORMALITIES OF UTERUS, WITH DELIVERY 6541 65413 TUMORS OF BODY OF UTERUS, ANTEPARTUM CONDITION OR COMPL 6542 65423 UTERINE SCAR FROM PREVIOUS SURGERY, ANTEPARTUM CONDITIO 6543 65434 RETROVERTED AND INCARCERATED GRAVID UTERUS, POSTPARTUM 6544 65443 OTHER ABNORMALITIES IN SHAPE OR POSITION OF GRAVID UTER 6545 65453 CERVICAL INCOMPETENCE, ANTEPARTUM CONDITION OR COMPLICA 6546 65463 OTHER CONGENITAL OR ACQUIRED ABNORMALITY OF CERVIX, ANT 6547 65471 CONGENITAL OR ACQUIRED ABNORMALITY OF VAGINA, WITH DELI 6548 65481 CONGENITAL OR ACQUIRED ABNORMALITY OF VULVA, WITH DELIV 6549 65491 UNSPECIFIED ABNORMALITY OF ORGANS AND SOFT TISSUES OF P 6550 65501 CENTRAL NERVOUS SYSTEM MALFORMATION IN FETUS, WITH DELI 6551 65513 CHROMOSOMAL ABNORMALITY IN FETUS, AFFECTING MANAGEMENT 6552 65521 HEREDITARY DISEASE IN FAMILY POSSIBLY AFFECTING FETUS, 6553 65531 SUSPECTED DAMAGE TO FETUS FROM VIRAL DISEASE IN THE MOT 6554 65541 SUSPECTED DAMAGE TO FETUS FROM OTHER DISEASE IN THE MOT 6555 65551 SUSPECTED DAMAGE TO FETUS FROM DRUGS, AFFECTING MANAGEM 6556 65561 SUSPECTED DAMAGE TO FETUS FROM RADIATION, AFFECTING MAN 6558 65581 OTHER KNOWN OR SUSPECTED FETAL ABNORMALITY, NOT ELSEWHE 6559 65591 UNSPECIFIED SUSPECTED FETAL ABNORMALITY, AFFECTING MANA 6560 65601 FETAL-MATERNAL HEMORRHAGE, WITH DELIVERY 6561 65613 RHESUS ISOIMMUNIZATION, AFFECTING MANAGEMENT OF MOTHER, 6562 65621 ISOIMMUNIZATION FROM OTHER AND UNSPECIFIED BLOOD-GROUP 6563 65633 FETAL DISTRESS, AFFECTING MANAGEMENT OF MOTHER, ANTEPAR 6564 65643 INTRAUTERINE DEATH, AFFECTING MANAGEMENT OF MOTHER, ANT 6565 65653 POOR FETAL GROWTH, AFFECTING MANAGEMENT OF MOTHER, ANTE 6566 65663 EXCESSIVE FETAL GROWTH, AFFECTING MANAGEMENT OF MOTHER, 6567 65673 OTHER PLACENTAL CONDITIONS, AFFECTING MANAGEMENT OF MOT 6568 65681 OTHER SPECIFIED FETAL AND PLACENTAL PROBLEMS, AFFECTING 6569 65691 UNSPECIFIED FETAL AND PLACENTAL PROBLEM, AFFECTING MANA 6570 65703 POLYHYDRAMNIOS, ANTEPARTUM COMPLICATION 6580 65801 OLIGOHYDRAMNIOS, DELIVERED 6581 65813 PREMATURE RUPTURE OF MEMBRANES, ANTEPARTUM 6582 65823 DELAYED DELIVERY AFTER SPONTANEOUS OR UNSPECIFIED RUPTU 6583 65831 DELAYED DELIVERY AFTER ARTIFICIAL RUPTURE OF MEMBRANES, 6584 65841 INFECTION OF AMNIOTIC CAVITY, DELIVERED 6588 65881 OTHER PROBLEMS ASSOCIATED WITH AMNIOTIC CAVITY AND MEMB 6589 65891 UNSPECIFIED PROBLEM ASSOCIATED WITH AMNIOTIC CAVITY AND 6590 65901 FAILED MECHANICAL INDUCTION OF LABOR, DELIVERED 6591 65911 FAILED MEDICAL OR UNSPECIFIED INDUCTION OF LABOR, DELIV 6592 65921 UNSPECIFIED TYPE MATERNAL PYREXIA DURING LABOR, DELIVER 6593 65931 GENERALIZED INFECTION DURING LABOR, DELIVERED 6594 65941 GRAND MULTIPARITY, WITH CURRENT PREGNANCY, DELIVERED 6595 65953 ELDERLY PRIMIGRAVIDA, ANTEPARTUM 6598 65981 OTHER SPECIFIED INDICATIONS FOR CARE OR INTERVENTION RE 6599 65991 UNSPECIFIED INDICATION FOR CARE OR INTERVENTION RELATED 6600 66001 OBSTRUCTION CAUSED BY MALPOSITION OF FETUS AT ONSET OF

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CODE CODE TITLE
6601 66011 OBSTRUCTION BY BONY PELVIS DURING LABOR, WITH DELIVERY
6602 66021 OBSTRUCTION BY ABNORMAL PELVIC SOFT TISSUES DURING LABO
6603 66031 DEEP TRANSVERSE ARREST AND PERSISTENT OCCIPITOPOSTERIOR
6604 66041 SHOULDER (GIRDLE) DYSTOCIA, WITH DELIVERY
6605 66051 LOCKED TWINS, WITH DELIVERY
6606 66061 UNSPECIFIED FAILED TRIAL OF LABOR, WITH DELIVERY
6607 66071 UNSPECIFIED FAILED FORCEPS OR VACUUM EXTRACTOR, WITH DE
6608 66081 OTHER CAUSES OF OBSTRUCTED LABOR, WITH DELIVERY
6609 66091 UNSPECIFIED OBSTRUCTED LABOR, WITH DELIVERY
6610 66101 PRIMARY UTERINE INERTIA, WITH DELIVERY
6611 66111 SECONDARY UTERINE INERTIA, WITH DELIVERY
6612 66123 OTHER AND UNSPECIFIED UTERINE INERTIA, ANTEPARTUM
6613 66133 PRECIPITATE LABOR, ANTEPARTUM
6614 66141 HYPERTONIC, INCOORDINATE, OR PROLONGED UTERINE CONTRACT
6619 66191 UNSPECIFIED ABNORMALITY OF LABOR, WITH DELIVERY
6620 66201 PROLONGED FIRST STAGE OF LABOR, DELIVERED
6621 66211 UNSPECIFIED TYPE PROLONGED LABOR, DELIVERED
6622 66221 PROLONGED SECOND STAGE OF LABOR, DELIVERED
6623 66231 DELAYED DELIVERY OF SECOND TWIN, TRIPLET, ETC., DELIVER
6630 66301 PROLAPSE OF CORD COMPLICATING LABOR AND DELIVERY, DELIV
6631 66311 CORD AROUND NECK, WITH COMPRESSION, COMPLICATING LABOR
6632 66321 OTHER AND UNSPECIFIED CORD ENTANGLEMENT, WITH COMPRESSI
6633 66331 OTHER AND UNSPECIFIED CORD ENTANGLEMENT, WITHOUT MENTIO
6634 66341 SHORT CORD COMPLICATING LABOR AND DELIVERY, DELIVERED
6635 66351 VASA PREVIA COMPLICATING LABOR AND DELIVERY, DELIVERED
6636 66361 VASCULAR LESIONS OF CORD COMPLICATING LABOR AND DELIVER
6638 66381 OTHER UMBILICAL CORD COMPLICATIONS DURING LABOR AND DEL
6639 66391 UNSPECIFIED UMBILICAL CORD COMPLICATION DURING LABOR AN
6640 66401 FIRST-DEGREE PERINEAL LACERATION, WITH DELIVERY
6641 66411 SECOND-DEGREE PERINEAL LACERATION, WITH DELIVERY
6642 66421 THIRD-DEGREE PERINEAL LACERATION, WITH DELIVERY
6643 66431 FOURTH-DEGREE PERINEAL LACERATION, WITH DELIVERY
6644 66441 UNSPECIFIED PERINEAL LACERATION, WITH DELIVERY
6645 66451 VULVAR AND PERINEAL HEMATOMA, WITH DELIVERY
6648 66481 OTHER SPECIFIED TRAUMA TO PERINEUM AND VULVA, WITH DELI
6649 66491 UNSPECIFIED TRAUMA TO PERINEUM AND VULVA, WITH DELIVERY
6650 66501 RUPTURE OF UTERUS BEFORE ONSET OF LABOR, WITH DELIVERY
6651 66511 RUPTURE OF UTERUS, WITH DELIVERY
6652 66521 INVERSION OF UTERUS, WITH DELIVERY
6653 66531 LACERATION OF CERVIX, WITH DELIVERY
6654 66541 HIGH VAGINAL LACERATION, WITH DELIVERY
6655 66551 OTHER INJURY TO PELVIC ORGANS, WITH DELIVERY
6656 66561 DAMAGE TO PELVIC JOINTS AND LIGAMENTS, WITH DELIVERY
6657 66571 PELVIC HEMATOMA, WITH DELIVERY
6658 66581 OTHER SPECIFIED OBSTETRICAL TRAUMA, WITH DELIVERY
6659 66591 UNSPECIFIED OBSTETRICAL TRAUMA, WITH DELIVERY
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6660 66604 THIRD-STAGE POSTPARTUM HEMORRHAGE, WITH DELIVERY,

CHAMPUS ICD-9-CM CODE CODE TITLE 6661 66614 OTHER 6662 66620 DELAY: 6663 66631 POSTP 6670 66704 RETAIR 6671 66714 RETAIR 6680 66801 PULMOR

- 6661 66614 OTHER IMMEDIATE POSTPARTUM HEMORRHAGE, WITH DELIVERY,
- 6662 66620 DELAYED AND SECONDARY POSTPARTUM HEMORRHAGE, UNSPECIFIE
- 6663 66631 POSTPARTUM COAGULATION DEFECTS, WITH DELIVERY, WITH OR
- 6670 66704 RETAINED PLACENTA WITHOUT HEMORRHAGE, WITH DELIVERY,
- 6671 66714 RETAINED PORTIONS OF PLACENTA OR MEMBRANES, WITHOUT
- 6680 66801 PULMONARY COMPLICATIONS OF ANESTHESIA OR OTHER SEDATION
- 6681 66811 CARDIAC COMPLICATIONS OF ANESTHESIA OR OTHER SEDATION I
- 6682 66821 CENTRAL NERVOUS SYSTEM COMPLICATIONS OF ANESTHESIA OR O 6688 66881 OTHER COMPLICATIONS OF ANESTHESIA OR OTHER SEDATION IN
- 6689 66891 UNSPECIFIED COMPLICATION OF ANESTHESIA OR OTHER SEDATION IN
- 6690 66901 MATERNAL DISTRESS, WITH DELIVERY, WITH OR WITHOUT MENTI
- 6691 66911 OBSTETRIC SHOCK, WITH DELIVER, WITH OR WITHOUT MENTION
- 6692 66923 MATERNAL HYPOTENSION SYNDROME, ANTEPARTUM
- 6693 66931 ACUTE RENAL FAILURE WITH DELIVERY, WITH OR WITHOUT MEN
- 6694 66941 OTHER COMPLICATIONS OF OBSTETRICAL SURGERY AND PROCEDUR
- 6695 66951 FORCEPS OR VACUUM EXTRACTOR DELIVERY WITHOUT MENTION OF
- 6696 66961 BREECH EXTRACTION, WITHOUT MENTION OF INDICATION, 6697 66971 CESAREAN DELIVERY, WITHOUT MENTION OF INDICATION,
- 6698 66981 OTHER COMPLICATIONS OF LABOR AND DELIVERY, DELIVERED,
- 6699 66991 UNSPECIFIED COMPLICATION OF LABOR AND DELIVERY, WITH DE
- 6700 67004 MAJOR PUERPERAL INFECTION, POSTPARTUM
- 6710 67103 ANTEPARTUM VARICOSE VEINS OF LEGS
- 6711 67114 POSTPARTUM VARICOSE VEINS OF VULVA AND PERINEUM
- 6712 67124 POSTPARTUM SUPERFICIAL THROMBOPHLEBITIS
- 6713 67130 DEEP PHLEBOTHROMBOSIS, ANTEPARTUM, POSTPARTUM CONDITIO
- 6714 67144 DEEP PHLEBOTHROMBOSIS, POSTPARTUM
- 6715 67154 OTHER POSTPARTUM PHLEBITIS AND THROMBOSIS
- 6718 67184 OTHER POSTPARTUM VENOUS COMPLICATIONS
- 6719 67194 UNSPECIFIED POSTPARTUM VENOUS COMPLICATION
- 6720 67204 PUERPERAL PYREXIA OF UNKNOWN ORIGIN, POSTPARTUM
- 6730 67304 OBSTETRICAL AIR EMBOLISM, POSTPARTUM CONDITION OR COMPL
- 6731 67314 AMNIOTIC FLUID EMBOLISM, POSTPARTUM CONDITION OR COMPLI
- 6732 67324 OBSTETRICAL BLOOD-CLOT EMBOLISM, POSTPARTUM
- 6733 67334 OBSTETRICAL PYEMIC AND SEPTIC EMBOLISM, POSTPARTUM
- 6738 67384 OTHER OBSTETRICAL PULMONARY EMBOLISM, POSTPARTUM
- 6740 67404 POSTPARTUM CEREBROVASCULAR DISORDERS
- 6741 67414 DISRUPTION OF CESAREAN WOUND, POSTPARTUM
- 6742 67422 DISRUPTION OF PERINEAL WOUND, WITH DELIVERY, WITH MENTI
- 6743 67434 OTHER COMPLICATIONS OF OBSTETRICAL SURGICAL WOUNDS,
- 6744 67444 PLACENTAL POLYP, POSTPARTUM
- 6748 67484 OTHER COMPLICATIONS OF PUERPERIUM
- 6749 67494 UNSPECIFIED COMPLICATIONS OF PUERPERIUM
- 6750 67504 POSTPARTUM INFECTIONS OF NIPPLE
- 6751 67514 POSTPARTUM ABSCESS OF BREAST
- 6752 67524 POSTPARTUM NONPURULENT MASTITIS
- 6758 67584 OTHER SPECIFIED POSTPARTUM INFECTIONS OF THE BREAST AND
- 6759 67594 UNSPECIFIED POSTPARTUM INFECTION OF THE BREAST AND NIPP

PUS ICD-9-CM CODE CODE TITLE 6760 67604 RETRACTED NIPPLE ASSOCIATED WITH CHILDBIRTH, POSTPARTUM 6761 67614 CRACKED NIPPLE ASSOCIATED WITH CHILDBIRTH, POSTPARTUM C 6762 67624 POSTPARTUM ENGORGEMENT OF BREASTS ASSOCIATED WITH CHILD 6763 67634 OTHER AND UNSPECIFIED DISORDER OF BREAST ASSOCIATED WIT 6764 67644 FAILURE OF LACTATION, POSTPARTUM CONDITION OR COMPLICAT 6765 67654 SUPPRESSED LACTATION, POSTPARTUM CONDITION OR COMPLICAT 6766 67660 GALACTORRHEA ASSOCIATED WITH CHILDBIRTH, UNSPECIFIED AS 6768 67684 OTHER DISORDERS OF LACTATION, POSTPARTUM CONDITION OR 6769 67694 UNSPECIFIED DISORDER OF LACTATION, POSTPARTUM CONDITION 6810 68100 UNSPECIFIED CELLULITIS AND ABSCESS OF FINGER 6811 68110 UNSPECIFIED CELLULITIS AND ABSCESS OF TOE 6927 69279 OTHER DERMATITIS DUE TO SUN 6928 69289 CONTACT DERMATITIS AND OTHER ECZEMA DUE TO OTHER SPECIF 6946 69461 BENIGN MUCOUS MEMBRANE PEMPHIGOID WITH OCULAR INVOLVEME 6958 69589 OTHER SPECIFIED ERYTHEMATOUS CONDITIONS 7040 70400 ALOPECIA, UNSPECIFIED 7058 70581 DYSHIDROSIS 7110 71100 PYOGENIC ARTHRITIS, SITE UNSPECIFIED 7111 71110 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED WITH REITER'S 7112 71120 ARTHROPATHY IN BEHCET'S SYNDROME, SITE UNSPECIFIED 7113 71130 POSTDYSENTERIC ARTHROPATHY, SITE UNSPECIFIED 7114 71140 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED WITH OTHER 7115 71150 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED 7116 71160 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED WITH MYCOSES 7117 71170 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED WITH HELMINTH 7118 71180 ARTHROPATHY, SITE UNSPECIFIED, ASSOCIATED WITH OTHER 7119 71190 UNSPECIFIED INFECTIVE ARTHRITIS, SITE UNSPECIFIED 7121 71210 CHONDROCALCINOSIS, DUE TO DICALCIUM PHOSPHATE CRYSTALS, 7122 71220 CHONDROCALCINOSIS, DUE TO PYROPHOSPHATE CRYSTALS, 7123 71230 CHONDROCALCINOSIS, CAUSE UNSPECIFIED, 7128 71280 OTHER SPECIFIED CRYSTAL ARTHROPATHIES, SITE UNSPECIFIED 7129 71290 UNSPECIFIED CRYSTAL ARTHROPATHY, SITE UNSPECIFIED 7143 71430 CHRONIC OR UNSPECIFIED POLYARTICULAR JUVENILE RHEUMATOI 7148 71489 OTHER SPECIFIED INFLAMMATORY POLYARTHROPATHIES 7150 71509 OSTEOARTHROSIS, GENERALIZED, INVOLVING MULTIPLE SITES 7151 71510 OSTEOARTHROSIS, LOCALIZED, PRIMARY, INVOLVING UNSPECIFI 7152 71520 OSTEOARTHROSIS, LOCALIZED, SECONDARY, INVOLVING UNSPECI 7153 71535 OSTEOARTHROSIS, LOCALIZED, NOT SPECIFIED WHETHER 7158 71589 OSTEOARTHROSIS INVOLVING OR WITH MENTION OF MULTIPLE SI 7159 71590 OSTEOARTHROSIS, UNSPECIFIED WHETHER GENERALIZED OR LOCA 7160 71600 KASCHIN-BECK DISEASE, SITE UNSPECIFIED 7161 71610 TRAUMATIC ARTHROPATHY, SITE UNSPECIFIED 7162 71620 ALLERGIC ARTHRITIS, SITE UNSPECIFIED 7163 71630 CLIMACTERIC ARTHRITIS, SITE UNSPECIFIED 7164 71640 TRANSIENT ARTHROPATHY, SITE UNSPECIFIED

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7165 71659 UNSPECIFIED POLYARTHROPATHY OR POLYARTHRITIS INVOLVING

7166 71666 UNSPECIFIED MONOARTHRITIS INVOLVING LOWER LEG

CHAM-PUS ICD-9-CM CODE CODE TITLE 7168 71680 OTHER SPECIFIED ARTHROPATHY, NO SITE SPECIFIED 7169 71690 UNSPECIFIED ARTHROPATHY, SITE UNSPECIFIED 7174 71749 OTHER DERANGEMENT OF LATERAL MENISCUS 7178 71789 OTHER INTERNAL DERANGEMENT OF KNEE 7180 71804 ARTICULAR CARTILAGE DISORDER INVOLVING HAND 7181 71812 LOOSE BODY IN UPPER ARM JOINT 7182 71820 PATHOLOGICAL DISLOCATION OF JOINT, SITE UNSPECIFIED 7183 71831 RECURRENT DISLOCATION OF JOINT OF SHOULDER REGION 7184 71844 CONTRACTURE OF HAND JOINT 7185 71850 ANKYLOSIS OF JOINT, SITE UNSPECIFIED 7186 71860 UNSPECIFIED INTRAPELVIC PROTRUSION OF ACETABULUM, 7188 71886 OTHER JOINT DERANGEMENT, NOT ELSEWHERE CLASSIFIED, 7189 71890 UNSPECIFIED DERANGEMENT OF JOINT, SITE UNSPECIFIED 7190 71906 EFFUSION OF LOWER LEG JOINT 7191 71916 HEMARTHROSIS INVOLVING LOWER LEG 7192 71925 VILLONODULAR SYNOVITIS INVOLVING PELVIC REGION AND THIG 7194 71945 PAIN IN JOINT INVOLVING PELVIC REGION AND THIGH 7195 71958 STIFFNESS OF JOINT, NOT ELSEWHERE CLASSIFIED, INVOLVING 7196 71966 OTHER SYMPTOMS REFERABLE TO LOWER LEG JOINT 7197 71970 DIFFICULTY IN WALKING INVOLVING JOINT, SITE UNSPECIFIED 7198 71986 OTHER SPECIFIED DISORDERS OF LOWER LEG JOINT 7199 71996 UNSPECIFIED DISORDER OF LOWER LEG JOINT 7208 72089 OTHER INFLAMMATORY SPONDYLOPATHIES 7214 72141 SPONDYLOSIS WITH MYELOPATHY, THORACIC REGION 7219 72190 SPONDYLOSIS OF UNSPECIFIED SITE WITHOUT MENTION OF MYEL 7221 72210 DISPLACEMENT OF LUMBAR INTERVERTEBRAL DISC WITHOUT MYEL 7223 72230 SCHMORL'S NODES OF UNSPECIFIED REGION 7225 72252 DEGENERATION OF LUMBAR OR LUMBOSACRAL INTERVERTEBRAL DI 7227 72271 INTERVERTEBRAL DISC DISORDER WITH MYELOPATHY, CERVICAL 7228 72280 POSTLAMINECTOMY SYNDROME OF UNSPECIFIED REGION 7229 72293 OTHER AND UNSPECIFIED DISC DISORDER OF LUMBAR REGION 7240 72400 SPINAL STENOSIS OF UNSPECIFIED REGION 7247 72479 OTHER DISORDERS OF COCCYX 7261 72610 DISORDERS OF BURSAE AND TENDONS IN SHOULDER 7263 72632 LATERAL EPICONDYLITIS 7266 72665 PREPATELLAR BURSITIS 7267 72679 OTHER ENTHESOPATHY OF ANKLE AND TARSUS 7269 72690 ENTHESOPATHY OF UNSPECIFIED SITE 7270 72700 SYNOVITIS AND TENOSYNOVITIS, UNSPECIFIED 7274 72743 GANGLION, UNSPECIFIED 7275 72751 SYNOVIAL CYST OF POPLITEAL SPACE 7276 72760 NONTRAUMATIC RUPTURE OF UNSPECIFIED TENDON

.278 72789 OTHER DISORDERS OF SYNOVIUM, TENDON, AND BURSA 7281 72810 CALCIFICATION AND OSSIFICATION, UNSPECIFIED

7287 72871 PLANTAR FASCIAL FIBROMATOSIS

7293 72931 HYPERTROPHY OF FAT PAD, KNEE

7288 72885 SPASM OF MUSCLE

CHAM-PUS ICD-9-CM CODE CODE TITLE 7298 72982 CRAMP OF LIMB 7300 73000 ACUTE OSTEOMYELITIS, SITE UNSPECIFIED 7301 73010 CHRONIC OSTEOMYELITIS, SITE UNSPECIFIED 7302 73020 UNSPECIFIED OSTEOMYELITIS, SITE UNSPECIFIED 7303 73036 PERIOSTITIS, WITHOUT MENTION OF OSTEOMYELITIS, INVOLVIN 7307 73070 OSTEOPATHY RESULTING FROM POLIOMYELITIS, INVOLVING UNSP 7308 73080 OTHER INFECTIONS INVOLVING BONE IN DISEASES CLASSIFIED 7309 73090 UNSPECIFIED INFECTION OF BONE, SITE UNSPECIFIED 7330 73300 OSTEOPOROSIS, UNSPECIFIED 7332 73320 CYST OF BONE (LOCALIZED), UNSPECIFIED 7334 73342 ASEPTIC NECROSIS OF HEAD AND NECK OF FEMUR 7338 73382 NONUNION OF FRACTURE 7339 73399 OTHER DISORDERS OF BONE AND CARTILAGE 7360 73600 UNSPECIFIED DEFORMITY OF FOREARM, EXCLUDING FINGERS 7362 73629 OTHER ACQUIRED DEFORMITIES OF FINGER 7363 73630 UNSPECIFIED ACQUIRED DEFORMITY OF HIP 7364 73642 GENU VARUM (ACQUIRED) 7367 73673 CAVUS DEFORMITY OF FOOT, ACQUIRED 7368 73689 OTHER ACQUIRED DEFORMITY OF OTHER PARTS OF LIMB 7371 73710 KYPHOSIS (ACQUIRED) (POSTURAL) 7372 73720 LORDOSIS (ACQUIRED) (POSTURAL) 7373 73730 SCOLIOSIS (AND KYPHOSCOLIOSIS), IDIOPATHIC 7374 73740 UNSPECIFIED CURVATURE OF SPINE ASSOCIATED WITH OTHER CO 7410 74100 SPINA BIFIDA, UNSPECIFIED REGION, WITH HYDROCEPHALUS 7419 74190 SPINA BIFIDA, UNSPECIFIED REGION, WITHOUT MENTION OF 7425 74259 OTHER SPECIFIED CONGENITAL ANOMALIES OF SPINAL CORD 7430 74300 CLINICAL ANOPHTHALMOS, UNSPECIFIED 7431 74310 MICROPHTHALMOS, UNSPECIFIED 7432 74320 BUPHTHALMOS, UNSPECIFIED 7433 74333 CONGENITAL NUCLEAR CATARACT 7434 74343 OTHER CONGENITAL CORNEAL OPACITIES 7435 74359 OTHER CONGENITAL ANOMALIES OF POSTERIOR SEGMENT 7436 74362 CONGENITAL DEFORMITIES OF EYELIDS 7440 74400 UNSPECIFIED CONGENITAL ANOMALY OF EAR WITH IMPAIRMENT O 7442 74429 OTHER CONGENITAL ANOMALIES OF EAR 7444 74442 BRANCHIAL CLEFT CYST 7448 74489 OTHER SPECIFIED CONGENITAL ANOMALIES OF FACE AND NECK 7451 74519 OTHER TRANSPOSITION OF GREAT VESSELS 7456 74561 OSTIUM PRIMUM DEFECT 7460 74609 OTHER CONGENITAL ANOMALIES OF PULMONARY VALVE 7468 74686 CONGENITAL HEART BLOCK 7471 74710 COARCTATION OF AORTA (PREDUCTAL) (POSTDUCTAL) 7472 74720 CONGENITAL ANOMALY OF AORTA, UNSPECIFIED 7474 74740 CONGENITAL ANOMALY OF GREAT VEINS, UNSPECIFIED

7478 74789 OTHER SPECIFIED CONGENITAL ANOMALIES OF CIRCULATORY SYS

7486 74860 CONGENITAL ANOMALY OF LUNG, UNSPECIFIED

7490 74900 CLEFT PALATE, UNSPECIFIED

CHAM-PUS ICD-9-CM CODE CODE TITLE 7491 74910 CLEFT LIP, UNSPECIFIED 7492 74920 CLEFT PALATE WITH CLEFT LIP, UNSPECIFIED 7501 75012 CONGENITAL ADHESIONS OF TONGUE 7502 75026 OTHER SPECIFIED CONGENITAL ANOMALIES OF MOUTH 7516 75160 UNSPECIFIED CONGENITAL ANOMALY OF GALLBLADDER, BILE DUC 7521 75210 UNSPECIFIED CONGENITAL ANOMALY OF FALLOPIAN TUBES AND B 7524 75249 OTHER CONGENITAL ANOMALIES OF CERVIX, VAGINA, AND EXTER 7543 75430 CONGENITAL DISLOCATION OF HIP, UNILATERAL 7544 75444 CONGENITAL BOWING OF UNSPECIFIED LONG BONES OF LEG 7545 75453 CONGENITAL METATARSUS VARUS 7546 75461 CONGENITAL PES PLANUS 7547 75470 TALIPES, UNSPECIFIED 7548 75489 OTHER SPECIFIED NONTERATOGENIC ANOMALIES 7550 75502 POLYDACTYLY OF TOES 7551 75511 SYNDACTYLY OF FINGERS WITHOUT FUSION OF BONE 7552 75520 UNSPECIFIED REDUCTION DEFORMITY OF UPPER LIMB, CONGENIT 7553 75530 UNSPECIFIED REDUCTION DEFORMITY OF LOWER LIMB, CONGENIT 7555 75552 CONGENITAL ELEVATION OF SCAPULA 7556 75563 OTHER CONGENITAL DEFORMITY OF HIP (JOINT) 7561 75612 SPONDYLOLISTHESIS, CONGENITAL 7565 75659 OTHER CONGENITAL OSTEODYSTROPHIES 7568 75683 EHLERS-DANLOS SYNDROME 7573 75739 OTHER SPECIFIED CONGENITAL ANOMALIES OF SKIN 7598 75989 OTHER SPECIFIED ANOMALIES 7607 76079 OTHER NOXIOUS INFLUENCES AFFECTING FETUS OR NEWBORN VIA 7640 76400 "LIGHT-FOR-DATES" WO MENT FETAL MALNUTRITION, UNSPEC WGT 7641 76410 "LIGHT-FOR-DATES" W SIGNS FETAL MALNUTRITION, UNSPEC WGT 7642 76420 FETAL MALNUTRITION WO MENT "LIGHT-FOR-DATES", UNSP WGT 7650 76500 EXTREME IMMATURITY, UNSPECIFIED WEIGHT 7651 76510 OTHER PRETERM INFANTS, UNSPECIFIED WEIGHT 7743 77430 NEONATAL JAUNDICE DUE TO DELAYED CONJUGATION, CAUSE UNS 7805 78052 OTHER INSOMNIA 7826 78261 PALLOR 7844 78449 OTHER VOICE DISTURBANCE 7846 78469 OTHER SYMBOLIC DYSFUNCTION 7855 78559 OTHER SHOCK WITHOUT MENTION OF TRAUMA 7860 78609 OTHER DYSPNEA AND RESPIRATORY ABNORMALITY 7865 78650 UNSPECIFIED CHEST PAIN 7940 79409 OTHER NONSPECIFIC ABNORMAL RESULTS OF FUNCTION STUDY OF 7941 79410 NONSPECIFIC ABNORMAL RESPONSE TO UNSPECIFIED NERVE STIM 7943 79431 NONSPECIFIC ABNORMAL ELECTROCARDIOGRAM (ECG) (EKG) 8000 80000 CLOSED FRACTURE OF VAULT OF SKULL WITHOUT MENTION OF 8001 80010 CLOSED FRACTURE OF VAULT OF SKULL WITH CEREBRAL LACERAT 8002 80020 CLOSED FRACTURE OF VAULT OF SKULL WITH SUBARACHNOID, SU 8003 80030 CLOSED FRACTURE OF VAULT OF SKULL WITH OTHER AND UNSPEC

8004 80040 CLOSED FRACTURE OF VAULT OF SKULL WITH INTRACRANIAL INJ 8005 80050 OPEN FRACTURE OF VAULT OF SKULL WITHOUT MENTION OF INTR

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8006 80060 OPEN FRACTURE OF VAULT OF SKULL WITH CEREBRAL LACERATIO 8007 80070 OPEN FRACTURE OF VAULT OF SKULL WITH SUBARACHNOID. SUBD 8008 80080 OPEN FRACTURE OF VAULT OF SKULL WITH OTHER AND UNSPECIF 8009 80090 OPEN FRACTURE OF VAULT OF SKULL WITH INTRACRANIAL INJUR 8010 80109 CLOSED FRACTURE OF BASE OF SKULL WITHOUT MENTION OF INT 8011 80110 CLOSED FRACTURE OF BASE OF SKULL WITH CEREBRAL LACERATI 8012 80120 CLOSED FRACTURE OF BASE OF SKULL WITH SUBARACHNOID, SUB 8013 80130 CLOSED FRACTURE OF BASE OF SKULL WITH OTHER AND UNSPECI 8014 80140 CLOSED FRACTURE OF BASE OF SKULL WITH INTRACRANIAL INJU 8015 80150 OPEN FRACTURE OF BASE OF SKULL WITHOUT MENTION OF INTRA 8016 80160 OPEN FRACTURE OF BASE OF SKULL WITH CEREBRAL LACERATION 8017 80170 OPEN FRACTURE OF BASE OF SKULL WITH SUBARACHNOID, SUBDU 8018 80180 OPEN FRACTURE OF BASE OF SKULL WITH OTHER AND UNSPECIFI 8019 80190 OPEN FRACTURE OF BASE OF SKULL WITH INTRACRANIAL INJURY 8022 80220 CLOSED FRACTURE OF UNSPECIFIED SITE OF MANDIBLE 8023 80230 OPEN FRACTURE OF UNSPECIFIED SITE OF MANDIBLE 8030 80300 OTHER CLOSED SKULL FRACTURE WITHOUT MENTION OF INTRACRA 8031 80310 OTHER CLOSED SKULL FRACTURE WITH CEREBRAL LACERATION AN 8032 80320 OTHER CLOSED SKULL FRACTURE WITH SUBARACHNOID, SUBDURAL 8033 80330 OTHER CLOSED SKULL FRACTURE WITH OTHER AND UNSPECIFIED 8034 80340 OTHER CLOSED SKULL FRACTURE WITH INTRACRANIAL INJURY OF 8035 80350 OTHER OPEN SKULL FRACTURE WITHOUT MENTION OF INJURY, WI 8036 80360 OTHER OPEN SKULL FRACTURE WITH CEREBRAL LACERATION AND 8037 80370 OTHER OPEN SKULL FRACTURE WITH SUBARACHNOID, SUBDURAL, 8038 80380 OTHER OPEN SKULL FRACTURE WITH OTHER AND UNSPECIFIED IN 8039 80390 OTHER OPEN SKULL FRACTURE WITH INTRACRANIAL INJURY OF O 8040 80400 CLOSED FRACTURES INVOLVING SKULL OR FACE WITH OTHER BON 8041 80410 CLOSED FRACTURES INVOLVING SKULL OR FACE WITH OTHER BON 8042 80420 CLOSED FRACTURES INVOLVING SKULL OR FACE WITH OTHER BON 8043 80430 CLOSED FRACTURES INVOLVING SKULL OR FACE WITH OTHER BON 8044 80440 CLOSED FRACTURES INVOLVING SKULL OR FACE WITH OTHER BON 8045 80450 OPEN FRACTURES INVOLVING SKULL OR FACE WITH OTHER BONES 8046 80460 OPEN FRACTURES INVOLVING SKULL OR FACE WITH OTHER BONES 8047 80470 OPEN FRACTURES INVOLVING SKULL OR FACE WITH OTHER BONES 8048 80480 OPEN FRACTURES INVOLVING SKULL OR FACE WITH OTHER BONES 8050 80500 CLOSED FRACTURE OF CERVICAL VERTEBRA, UNSPECIFIED LEVEL 8051 80510 OPEN FRACTURE OF CERVICAL VERTEBRA, UNSPECIFIED LEVEL 8060 80600 CLOSED FRACTURE OF C1-C4 LEVEL WITH UNSPECIFIED SPINAL 8061 80610 OPEN FRACTURE OF C1-C4 LEVEL WITH UNSPECIFIED SPINAL CO 8062 80620 CLOSED FRACTURE OF T1-T6 LEVEL WITH UNSPECIFIED SPINAL 8063 80630 OPEN FRACTURE OF T1-T6 LEVEL WITH UNSPECIFIED SPINAL CO 8066 80660 CLOSED FRACTURE OF SACRUM AND COCCYX WITH UNSPECIFIED S 8067 80670 OPEN FRACTURE OF SACRUM AND COCCYX WITH UNSPECIFIED SPI 8070 80709 CLOSED FRACTURE OF MULTIPLE RIBS, UNSPECIFIED 8071 80710 OPEN FRACTURE OF RIB(S), UNSPECIFIED 8084 80849 CLOSED FRACTURE OF OTHER SPECIFIED PART OF PELVIS 8085 80859 OPEN FRACTURE OF OTHER SPECIFIED PART OF PELVIS

PUS ICD-9-CM CODE CODE TITLE 8100 81000 CLOSED FRACTURE OF CLAVICLE, UNSPECIFIED PART 8101 81010 OPEN FRACTURE OF CLAVICLE, UNSPECIFIED PART 8110 81103 CLOSED FRACTURE OF GLENOID CAVITY AND NECK OF SCAPULA 8111 81110 OPEN FRACTURE OF SCAPULA, UNSPECIFIED PART 8120 81200 FRACTURE OF UNSPECIFIED PART OF UPPER END OF HUMERUS, C 8121 81210 FRACTURE OF UNSPECIFIED PART OF UPPER END OF HUMERUS, O 8122 81220 FRACTURE OF UNSPECIFIED PART OF HUMERUS, CLOSED 8123 81230 FRACTURE OF UNSPECIFIED PART OF HUMERUS, OPEN 8124 81240 FRACTURE OF UNSPECIFIED PART OF LOWER END OF HUMERUS, C 8125 81250 FRACTURE OF UNSPECIFIED PART OF LOWER END OF HUMERUS, O 8130 81305 FRACTURE OF HEAD OF RADIUS, CLOSED 8131 81310 OPEN FRACTURE OF UPPER END OF FOREARM, UNSPECIFIED 8132 81321 FRACTURE OF SHAFT OF RADIUS (ALONE), CLOSED 8133 81330 FRACTURE OF SHAFT OF RADIUS OR ULNA, UNSPECIFIED, OPEN 8134 81342 OTHER CLOSED FRACTURES OF DISTAL END OF RADIUS (ALONE) 8135 81354 FRACTURE OF LOWER END OF RADIUS WITH ULNA, OPEN 8138 81381 FRACTURE OF UNSPECIFIED PART OF RADIUS (ALONE), CLOSED 8139 81392 FRACTURE OF UNSPECIFIED PART OF ULNA (ALONE), OPEN 8140 81400 CLOSED FRACTURE OF CARPAL BONE, UNSPECIFIED 8141 81410 OPEN FRACTURE OF CARPAL BONE, UNSPECIFIED 8150 81500 CLOSED FRACTURE OF METACARPAL BONE(S), SITE UNSPECIFIED 8151 81510 OPEN FRACTURE OF METACARPAL BONE(S), SITE UNSPECIFIED 8160 81600 CLOSED FRACTURE OF PHALANX OR PHALANGES OF HAND, UNSPEC 8161 81610 OPEN FRACTURE OF PHALANX OR PHALANGES OF HAND, UNSPECIF 8200 82009 OTHER TRANSCERVICAL FRACTURE OF FEMUR, CLOSED 8201 82019 OTHER TRANSCERVICAL FRACTURE OF FEMUR, OPEN 8202 82021 FRACTURE OF INTERTROCHANTERIC SECTION OF FEMUR, CLOSED 8203 82030 FRACTURE OF UNSPECIFIED TROCHANTERIC SECTION OF FEMUR, 8210 82100 FRACTURE OF UNSPECIFIED PART OF FEMUR, CLOSED 8211 82110 FRACTURE OF UNSPECIFIED PART OF FEMUR, OPEN 8212 82120 FRACTURE OF LOWER END OF FEMUR, UNSPECIFIED PART, CLOSE 8213 82130 FRACTURE OF LOWER END OF FEMUR, UNSPECIFIED PART, OPEN 8230 82300 CLOSED FRACTURE OF UPPER END OF TIBIA 8231 82310 OPEN FRACTURE OF UPPER END OF TIBIA 8232 82320 CLOSED FRACTURE OF SHAFT OF TIBIA 8233 82330 OPEN FRACTURE OF SHAFT OF TIBIA 8238 82380 CLOSED FRACTURE OF UNSPECIFIED PART OF TIBIA 8239 82392 OPEN FRACTURE OF UNSPECIFIED PART OF FIBULA WITH TIBIA 8252 82525 FRACTURE OF METATARSAL BONE(S), CLOSED 8253 82535 FRACTURE OF METATARSAL BONE(S), OPEN 8310 83100 CLOSED DISLOCATION OF SHOULDER, UNSPECIFIED SITE 8311 83110 OPEN DISLOCATION OF SHOULDER, UNSPECIFIED 8320 83200 CLOSED DISLOCATION OF ELBOW, UNSPECIFIED SITE 8321 83210 OPEN DISLOCATION OF ELBOW, UNSPECIFIED SITE 8330 83309 CLOSED DISLOCATION OF OTHER PART OF WRIST 8331 83310 OPEN DISLOCATION OF WRIST, UNSPECIFIED PART

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8340 83402 CLOSED DISLOCATION OF INTERPHALANGEAL (JOINT), HAND

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PUS
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CODE CODE TITLE
8341 83410 OPEN DISLOCATION OF FINGER, UNSPECIFIED PART
8350 83500 CLOSED DISLOCATION OF HIP, UNSPECIFIED SITE
8351 83510 OPEN DISLOCATION OF HIP, UNSPECIFIED SITE
8365 83650 CLOSED DISLOCATION OF KNEE, UNSPECIFIED PART
8366 83660 DISLOCATION OF KNEE, UNSPECIFIED PART, OPEN
8380 83809 CLOSED DISLOCATION OF OTHER PART OF FOOT
8381 83810 OPEN DISLOCATION OF FOOT, UNSPECIFIED PART
8390 83901 CLOSED DISLOCATION, FIRST CERVICAL VERTEBRA
8391 83910 OPEN DISLOCATION, CERVICAL VERTEBRA, UNSPECIFIED
8392 83920 CLOSED DISLOCATION, LUMBAR VERTEBRA
8393 83930 OPEN DISLOCATION, LUMBAR VERTEBRA
8394 83942 CLOSED DISLOCATION, SACRUM
8395 83950 OPEN DISLOCATION, VERTEBRA, UNSPECIFIED SITE
8396 83969 CLOSED DISLOCATION, OTHER LOCATION
8397 83971 OPEN DISLOCATION, STERNUM
8420 84200 SPRAIN OF UNSPECIFIED SITE OF WRIST
8421 84210 SPRAIN OF UNSPECIFIED SITE OF HAND
8450 84500 UNSPECIFIED SITE OF ANKLE SPRAIN
8451 84510 UNSPECIFIED SITE OF FOOT SPRAIN
8484 84840 STERNUM SPRAIN, UNSPECIFIED PART
8510 85100 CORTEX (CEREBRAL) CONTUSION WITHOUT MENTION OF OPEN
8511 85110 CORTEX (CEREBRAL) CONTUSION WITH OPEN INTRACRANIAL WOUN 8512 85120 CORTEX (CEREBRAL) LACERATION WITHOUT MENTION OF OPEN
8513 85130 CORTEX (CEREBRAL) LACERATION WITH OPEN INTRACRANIAL WOU
8514 85140 CEREBELLAR OR BRAIN STEM CONTUSION WITHOUT MENTION OF O
8515 85150 CEREBELLAR OR BRAIN STEM CONTUSION WITH OPEN INTRACRANI
8516 85160 CEREBELLAR OR BRAIN STEM LACERATION WITHOUT MENTION OF
8517 85170 CEREBELLAR OR BRAIN STEM LACERATION WITH OPEN INTRACRAN
8518 85180 OTHER AND UNSPECIFIED CEREBRAL LACERATION AND CONTUSION
8519 85190 OTHER AND UNSPECIFIED CEREBRAL LACERATION AND CONTUSION
8520 85200 SUBARACHNOID HEMORRHAGE FOLLOWING INJURY, WITHOUT MENTI
8521 85210 SUBARACHNOID HEMORRHAGE FOLLOWING INJURY, WITH OPEN INT
8522 85220 SUBDURAL HEMORRHAGE FOLLOWING INJURY, WITHOUT MENTION O
8523 85230 SUBDURAL HEMORRHAGE FOLLOWING INJURY, WITH OPEN INTRACR
8524 85240 EXTRADURAL HEMORRHAGE FOLLOWING INJURY, WITHOUT MENTION
8525 85250 EXTRADURAL HEMORRHAGE FOLLOWING INJURY, WITH OPEN INTRA
8530 85300 OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE FOLLOWING
8531 85310 OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE FOLLOWING
8540 85400 INTRACRANIAL INJURY OF OTHER AND UNSPECIFIED NATURE, WI
8541 85410 INTRACRANIAL INJURY OF OTHER AND UNSPECIFIED NATURE, WI
8610 86100 UNSPECIFIED INJURY OF HEART WITHOUT MENTION OF OPEN WOU
8611 86110 UNSPECIFIED INJURY OF HEART WITH OPEN WOUND INTO THORAX
8612 86121 CONTUSION OF LUNG WITHOUT OPEN WOUND INTO THORAX
8613 86130 UNSPECIFIED INJURY OF LUNG WITH OPEN WOUND INTO THORAX
8622 86221 INJURY TO BRONCHUS WITHOUT OPEN WOUND INTO CAVITY
8623 86231 INJURY TO BRONCHUS WITH OPEN WOUND INTO CAVITY
8632 86320 INJURY TO SMALL INTESTINE, UNSPECIFIED SITE, WITHOUT OP
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CODE CODE TITLE 8633 86330 INJURY TO SMALL INTESTINE, UNSPECIFIED SITE, WITH OPEN 8634 86340 INJURY TO COLON, UNSPECIFIED SITE, WITHOUT MENTION OF O 8635 86350 INJURY TO COLON, UNSPECIFIED SITE, WITH OPEN WOUND INTO 8638 86380 INJURY TO GASTROINTESTINAL TRACT, UNSPECIFIED SITE, WIT 8639 86390 INJURY TO GASTROINTESTINAL TRACT, UNSPECIFIED SITE, WIT 8640 86400 UNSPECIFIED INJURY TO LIVER WITHOUT MENTION OF OPEN 8641 86410 UNSPECIFIED INJURY TO LIVER WITH OPEN WOUND INTO CAVITY 8650 86501 HEMATOMA OF SPLEEN, WITHOUT RUPTURE OF CAPSULE, WITHOUT 8651 86510 UNSPECIFIED INJURY TO SPLEEN WITH OPEN WOUND INTO CAVIT 8660 86601 HEMATOMA OF KIDNEY, WITHOUT RUPTURE OF CAPSULE, WITHOUT 8661 86610 UNSPECIFIED INJURY TO KIDNEY WITH OPEN WOUND INTO CAVIT 8680 86800 INJURY TO UNSPECIFIED INTRA-ABDOMINAL ORGAN WITHOUT MEN 8681 86810 INJURY TO UNSPECIFIED INTRA-ABDOMINAL ORGAN, WITH OPEN 8720 87200 OPEN WOUND OF EXTERNAL EAR, UNSPECIFIED SITE, UNCOMPLIC 8721 87210 OPEN WOUND OF EXTERNAL EAR, UNSPECIFIED SITE, COMPLICAT 8726 87261 OPEN WOUND OF EAR DRUM, UNCOMPLICATED 8727 87271 OPEN WOUND OF EAR DRUM, COMPLICATED 8732 87320 OPEN WOUND OF NOSE, UNSPECIFIED SITE, UNCOMPLICATED 8733 87330 OPEN WOUND OF NOSE, UNSPECIFIED SITE, COMPLICATED 8734 87342 OPEN WOUND OF FOREHEAD, UNCOMPLICATED 8735 87350 OPEN WOUND OF FACE, UNSPECIFIED SITE, COMPLICATED 8736 87364 OPEN WOUND OF TONGUE AND FLOOR OF MOUTH, UNCOMPLICATED 8737 87370 OPEN WOUND OF MOUTH, UNSPECIFIED SITE, COMPLICATED 87400 OPEN WOUND OF LARYNX WITH TRACHEA, UNCOMPLICATED 8741 87410 OPEN WOUND OF LARYNX WITH TRACHEA, COMPLICATED 8800 88000 OPEN WOUND OF SHOULDER REGION, WITHOUT MENTION OF COMPL 8801 88010 OPEN WOUND OF SHOULDER REGION, COMPLICATED 8802 88020 OPEN WOUND OF SHOULDER REGION, WITH TENDON INVOLVEMENT 8810 88100 OPEN WOUND OF FOREARM, WITHOUT MENTION OF COMPLICATION 8811 88111 OPEN WOUND OF ELBOW, COMPLICATED 8812 88120 OPEN WOUND OF FOREARM, WITH TENDON INVOLVEMENT 9000 90000 INJURY TO CAROTID ARTERY, UNSPECIFIED 9008 90081 INJURY TO EXTERNAL JUGULAR VEIN 9014 90140 INJURY TO PULMONARY VESSEL(S), UNSPECIFIED 9018 90181 INJURY TO INTERCOSTAL ARTERY OR VEIN 9021 90210 INJURY TO INFERIOR VENA CAVA, UNSPECIFIED 9022 90220 INJURY TO CELIAC AND MESENTERIC ARTERIES, UNSPECIFIED 9023 90231 INJURY TO SUPERIOR MESENTERIC VEIN AND PRIMARY SUBDIVIS 9024 90240 INJURY TO RENAL VESSEL(S), UNSPECIFIED 9025 90250 INJURY TO ILIAC VESSEL(S), UNSPECIFIED 9028 90281 INJURY TO OVARIAN ARTERY 9030 90300 INJURY TO AXILLARY VESSEL(S), UNSPECIFIED 9044 90440 INJURY TO POPLITEAL VESSEL(S), UNSPECIFIED 9045 90450 INJURY TO TIBIAL VESSEL(S), UNSPECIFIED 9230 92300 CONTUSION OF SHOULDER REGION 9231 92310 CONTUSION OF FOREARM 9232 92320 CONTUSION OF HAND(S)

CHAM-PUS

ICD-9-CM

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CHAM-
PUS
     ICD-9-CM
CODE CODE TITLE
9240 92400 CONTUSION OF THIGH
9241 92410 CONTUSION OF LOWER LEG
9242 92420 CONTUSION OF FOOT
9261 92611 CRUSHING INJURY OF BACK
9270 92700 CRUSHING INJURY OF SHOULDER REGION
9271 92710 CRUSHING INJURY OF FOREARM
9272 92720 CRUSHING INJURY OF HAND(S)
9280 92800 CRUSHING INJURY OF THIGH
9281 92810 CRUSHING INJURY OF LOWER LEG
9282 92820 CRUSHING INJURY OF FOOT
9410 94103 BURN OF UNSPECIFIED DEGREE OF LIP(S)
9411 94110 ERYTHEMA DUE TO BURN (FIRST DEGREE) OF UNSPECIFIED SITE
9412 94120 BLISTERS, WITH EPIDERMAL LOSS DUE TO BURN (SECOND DEGRE
9413 94130 FULL-THICKNESS SKIN LOSS DUE TO BURN (THIRD DEGREE NOS)
9414 94140 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP
9415 94150 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP
9420 94202 BURN OF UNSPECIFIED DEGREE OF CHEST WALL, EXCLUDING
9421 94210 ERYTHEMA DUE TO BURN (FIRST DEGREE) OF UNSPECIFIED
9422 94220 BLISTERS WITH EPIDERMAL LOSS DUE TO BURN (SECOND DEGREE
9423 94230 FULL-THICKNESS SKIN LOSS DUE TO BURN (THIRD DEGREE NOS)
9424 94240 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN
9425 94250 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP
9430 94300 BURN OF UNSPECIFIED DEGREE OF UNSPECIFIED SITE OF UPPER
9431 94310 ERYTHEMA DUE TO BURN (FIRST DEGREE) OF
9432 94320 BLISTERS WITH EPIDERMAL LOSS DUE TO BURN (SECOND DEGREE
9433 94330 FULL-THICKNESS SKIN LOSS DUE TO BURN (THIRD DEGREE NOS)
9434 94340 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN
9435 94350 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP T
9440 94400 BURN OF UNSPECIFIED DEGREE OF UNSPECIFIED SITE OF HAND
9441 94410 ERYTHEMA DUE TO BURN (FIRST DEGREE) OF UNSPECIFIED SITE
9442 94420 BLISTERS WITH EPIDERMAL LOSS DUE TO BURN (SECOND DEGREE
9443 94431 FULL-THICKNESS SKIN LOSS DUE TO BURN (THIRD DEGREE NOS)
9444 94440 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP T
9445 94450 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN (DEEP T
9450 94506 BURN OF UNSPECIFIED DEGREE OF THIGH (ANY PART)
9451 94510 ERYTHEMA DUE TO BURN (FIRST DEGREE) OF UNSPECIFIED SITE
9452 94520 BLISTERS, EPIDERMAL LOSS (SECOND DEGREE) OF UNSPECIFIED
9453 94530 FULL-THICKNESS SKIN LOSS DUE TO BURN (THIRD DEGREE NOS)
9454 94540 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN
9455 94550 DEEP NECROSIS OF UNDERLYING TISSUES DUE TO BURN
9480 94800 BURN (ANY DEGREE) INVOLVING LESS THAN 10 PERCENT OF BOD
9481 94810 BURN (ANY DEGREE) INVOLVING 10-19 PERCENT OF BODY SURFA
9482 94820 BURN (ANY DEGREE) INVOLVING 20-29 PERCENT OF BODY
9483 94830 BURN (ANY DEGREE) INVOLVING 30-39 PERCENT OF BODY
9484 94840 BURN (ANY DEGREE) INVOLVING 40-49 PERCENT OF BODY
9485 94850 BURN (ANY DEGREE) INVOLVING 50-59 PERCENT OF BODY
9486 94860 BURN (ANY DEGREE) INVOLVING 60-69 PERCENT OF BODY
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CHAMPUS ICD-9-CM
CODE CODE TITLE

9487 94870 BURN (ANY DEGREE) INVOLVING 70-79 PERCENT OF BODY SURFA 9488 94880 BURN (ANY DEGREE) INVOLVING 80-89 PERCENT OF BODY SURFA 9489 94890 BURN (ANY DEGREE) INVOLVING 90 PERCENT OR MORE OF BODY 9520 95200 C1-C4 LEVEL SPINAL CORD INJURY, UNSPECIFIED 9521 95210 T1-T6 LEVEL SPINAL CORD INJURY, UNSPECIFIED 9650 96500 POISONING BY OPIUM (ALKALOIDS), UNSPECIFIED 9958 99581 ADULT MALTREATMENT SYNDROME 9960 99601 MECHANICAL COMPLICATION DUE TO CARDIAC PACEMAKER (ELECT 9963 99632 MECHANICAL COMPLICATION DUE TO INTRAUTERINE CONTRACEPTI 9965 99659 MECHANICAL COMPL OTHER IMPLANT & INTERNAL DEVICE NEC 9966 99660 INFECT & INFLAMMATRY REACT DUE TO UNSPEC DEVICE, IMPLANT 9967 99670 OTHER COMPLICATION DUE TO UNSPEC DEVICE, IMPLANT, GRAFT 9968 99680 COMPLICATIONS OF TRANSPLANTED ORGAN, UNSPECIFIED 9969 99690 COMPLICATIONS OF UNSPECIFIED REATTACHED EXTREMITY 9976 99769 OTHER LATE AMPUTATION STUMP COMPLICATION

APPENDIX F PROCEDURE TRANSLATION TABLE

APPENDIX F

Procedure Translation Table

		JS-UNIQUE CODES		TO CPT-4
	CODE	TITLE	CODE	TITLE
		PHYSICAL THERAPY AIDS, PURCHASE		Supplies, Eqpmt
		PHYSICAL THERAPY AIDS, RENTAL		SUPPLIES, EQPMT
		PURCHASE, BED AND BEDSIDE CARE ITEMS		SUPPLIES, EQPMT
		RENTAL, BED AND BEDSIDE CARE ITEMS		SUPPLIES, EQPMT
		PURCHASE, DIALYSIS EQUIPMENT AND SUPPLIES		SUPPLIES, EQPMT
		RENTAL, DIALYSIS EQUIPMENT AND SUPPLIES		SUPPLIES, EQPMT
		PURCHASE, RESPIRATORY EQUIPMENT AND SUPPLI		SUPPLIES, EQPMT
		RENTAL, RESPIRATORY EQUIPMENT AND SUPPLIES	99070	SUPPLIES, EQPMT
		PURCHASE, OXYGEN EQUIPMENT AND SUPPLIES	99070	SUPPLIES, EQPMT
	06879	RENTAL, OXYGEN EQUIPMENT AND SUPPLIES	99070	SUPPLIES, EQPMT
	06880	PURCHASE, ORTHOPEDIC DEVICES AND ACCESSORI	99070	SUPPLIES, EQPMT
	06881	RENTAL, ORTHOPEDIC DEVICES AND ACCESSORIES	99070	SUPPLIES, EQPMT
	06882	PURCHASE, CUSTOM ANCILLARY BODY SUPPORTS	99070	SUPPLIES, EQPMT
	06883	RENTAL, CUSTOM ANCILLARY BODY SUPPORTS	99070	SUPPLIES, EQPMT
	06884	PURCHASE, OSTOMY SUPPLIES	99070	SUPPLIES, EQPMT
	06886	PURCHASE, WHEELCHAIRS AND ATTACHMENTS	99070	SUPPLIES, EQPMT
	06887	RENTAL, WHEELCHAIRS AND ATTACHMENTS	99070	SUPPLIES, EQPMT
	06888	PURCHASE, NUTRITION EQUIPMENT AND SUPPLIES	99070	SUPPLIES, EQPMT
	06890	PURCHASE, MONITORING EQUIPMENT AND SUPPLIE	99070	SUPPLIES, EQPMT
	06891	RENTAL, MONITORING EQUIPMENT AND SUPPLIES	99070	SUPPLIES, EQPMT
	06892	PURCHASE, CHEMOTHERAPY EQUIP & SUP(EXCLUD	99070	SUPPLIES, EQPMT
	06894	PURCHASE, BREAST PROSTHESES	99070	SUPPLIES, EQPMT
	06896	PURCHASE, HEARING AIDS	99070	SUPPLIES, EQPMT
	06897	REPAIRS FOR HEARING AIDS	99070	SUPPLIES, EQPMT
	06898	PURCHASE, TORSO ORTHOTIC APPLIANCES AND SU	99070	SUPPLIES, EQPMT
	06899	RENTAL, TORSO ORTHOTIC APPLIANCES AND SUPP	99070	SUPPLIES, EQPMT
	06902	PURCHASE, LOWER EXTREMITY ORTHOSIS AND SUP	99070	SUPPLIES, EQPMT
	06903	RENTAL, LOWER EXTREMITY ORTHOSIS AND SUPPL	99070	SUPPLIES, EQPMT
	06906	PURCHASE, HIP AND SPECIAL ORTHOSES AND SUP	99070	SUPPLIES, EQPMT
	06907	RENTAL, HIP AND SPECIAL ORTHOSES AND SUPPL	99070	SUPPLIES, EQPMT
	06910	PURCHASE, KNEE ORTHOSES	99070	SUPPLIES, EQPMT
	06911	RENTAL, KNEE ORTHOSES	99070	SUPPLIES, EQPMT
		PURCHASE, FOOT APPLIANCES AND MODIFICATION		SUPPLIES, EQPMT
		RENTAL, FOOT APPLIANCES AND MODIFICATIONS	99070	SUPPLIES, EQPMT
		PURCHASE, UPPER EXTREMITY ORTHOSIS AND APP	99070	SUPPLIES, EQPMT
		RENTAL, UPPER EXTREMITY ORTHOSIS AND APPLI		SUPPLIES, EQPMT
		PURCHASE, CASTING PROCEDURE ORTHOTIC		SUPPLIES, EQPMT
		RENTAL, CASTING PROCEDURE ORTHOTIC		SUPPLIES, EQPMT
		REPAIRS FOR ORTHOSES		SUPPLIES, EQPMT
		PURCHASE, PROSTHETICS LOWER AND SUPPLIES		SUPPLIES, EQPMT
		RENTAL, PROSTHETICS LOWER AND SUPPLIES		SUPPLIES, EQPMT
		PURCHASE, PROSTHETICS UPPER AND SUPPLIES		SUPPLIES, EQPMT
		RENTAL, PROSTHETICS UPPER AND SUPPLIES		SUPPLIES, EQPMT
		the the terms of the term		

CHAMPUS-UNIQUE CODES CODE TITLE

MAPPED TO CPT-4 CODE TITLE

06928 PURCHASE, TERMINAL DEVICES, HANDS, GLOVES, AT 99070 SUPPLIES, EQPMT 06929 RENTAL, TERMINAL DEVICES, HANDS, GLOVES, ATTA 99070 SUPPLIES, EQPMT 06930 PURCHASE, STUMPS, SOX, SHRINKERS, AND PADS 99070 SUPPLIES, EQPMT 06932 PURCHASE, UNLISTED PROSTHESES 99070 SUPPLIES, EQPMT 06933 RENTAL, UNLISTED PROSTHESES 99070 SUPPLIES, EQPMT 06934 REPAIRS FOR PROSTHESES 99070 SUPPLIES, EQPMT 06936 PURCHASE, ELASTIC AND MISCELLANEOUS SUPPOR 99070 SUPPLIES, EQPMT 06938 PURCHASE, EYE PROSTHESES, LENSES, AND FRAM 92390 SUPPLY OF SPECTACLES 06940 PURCHASE, ORTHOPTIC DEVICES 99070 SUPPLIES, EQPMT 06942 PURCHASE, OTHER EQUIPMENT AND SUPPLIES 99070 SUPPLIES, EQPMT 06943 RENTAL, OTHER EQUIPMENT AND SUPPLIES 99070 SUPPLIES, EQPMT 06944 PURCHASE, CARDIORESPIRATORY MONITOR 99070 SUPPLIES, EQPMT 06945 RENTAL, CARDIORESPIRATORY MONITOR 99070 SUPPLIES, EQPMT 06946 PURCHASE, CARDIORESPIRATORY MONITOR-RELATE 99070 SUPPLIES, EQPMT 09977 PURCHASE, WIGS AND HAIRPIECES 99070 SUPPLIES, EQPMT 59421 PRENATAL CARE; SINGLE VST (WHEN NOT GLOBAL 59420 ANTEPARTUM CARE ONLY 76107 COMPUTERIZED AXIAL TOMOGRAPHY, ANY BODY AR 76070 COMPUTERIZED TOMOGRAPHY 90098 CARDIORESPIRATORY MONITOR-RELATED PROF SER 99150 PROLONG PHYSICIAN ATTND 90199 SERVICES OF A H90ME HEALTH AIDE/HOMEMAKER 90430 NURS HM VST, EST PNT, MIN 90593 WHOLE BLOOD CHARGES 90594 PROFESSIONAL COMPONENTS CHARGE 90015 OFF VST, NEW PNT, INTERM 90595 PHYSICIAN'S CHARGE 90015 OFF VST, NEW PNT, INTERM 90596 RECOVERY ROOM CHARGE 99173 CRITICAL CARE, INTERMED 90597 OPERATING ROOM CHARGE 99160 CRITICAL CARE, INITIAL 90599 EMERGENCY ROOM CHARGE 90515 EMER DPT, NEW PNT, INTER 90809 GROUP PSYCHOTHERAPY (4-10 PRSNS, PER SESSION 90853 GRP MEDICAL PSYCHOTHER 90810 GROUP PSYCHOTHERAPY (4-10 PRSNS, PER SESSION 90853 GRP MEDICAL PSYCHOTHER 90811 GROUP PSYCHOTHERAPY(4-10 PRSNS, PER SESSION 90853 GRP MEDICAL PSYCHOTHER 90812 FAM PSYCHOTHER, 2 FAM MEM, CONT MED DIAG EVA 90847 FMLY MEDICL PSYCHOTHER 90813 FAM PSYCHOTHEP, 2 FAM MEM, CONT MED DIAG EVA 90847 FMLY MEDICL PSYCHOTHER 90814 FAM PSYCHOTHER, 2 FAM MEM, CONT MED DIAG EVA 90847 FMLY MEDICL PSYCHOTHER 90815 FAM PSYCHOTHER, 3 OR MORE FAM MEM MED DIAG 90847 FMLY MEDICL PSYCHOTHER →0816 FAM PSYCHOTHER, 3 OR MORE FAM MEM MED DIAG 90847 FMLY MEDICL PSYCHOTHER 90817 FAM PSYCHOTHER, 3 OR MORE FAM MEM MED DIAG 90847 FMLY MEDICL PSYCHOTHER 90818 MULT FAM GRP THERAPY, CONT MED DIAG EVAL, 45 90849 MULT FMLY GRP PSYCHOTH 90819 MULT FAM GRP THERAPY, CONT MED DIAG EVAL, <4 90849 MULT FMLY GRP PSYCHOTH 90820 MULT FAM GRP THERAPY, CONT MED DIAG EVAL, 61 90849 MULT FMLY GRP PSYCHOTH 90831 PHONE CONSULT ABOUT PNT FOR MENTAL HEALTH 90899 UNLISTED PSYCHIATR SVC 90875 ANCILLARY THERAPY-MUSIC, DANCE, RECREATIONAL 90899 UNLISTED PSYCHIATR SVC 92190 NONCOVERED REFRACTIVE SVCS, PART OF EYE EXA 92499 UNLISTED OPHTHAL SVC 92845 SPVSN, TRMT TEAM FOR OP CARE, INP CARE, PART 90215 HOSP CARE, INITIAL, INTER 92860 MARATHON THERAPY 90899 UNLISTED PSYCHIATR SVC 92870 CRISIS INTERVENTION - INDIVIDUAL 90841 INDIV MED PSYCHOTHERAPY 90847 FMLY MED PSYCHOTHERAPY 92871 CRISIS INTERVENTION - FAMILY 92891 PARTIAL HOSPITALIZATION, DAY TIME CARE 90899 UNLISTED PSYCHIATR SVC 92892 PARTIAL HOSPITALIZATION, HALF DAY (4 HRS O 90899 UNLISTED PSYCHIATR SVC 92893 PARTIAL HOSPITALIZATION, NIGHT TIME CARE 90899 UNLISTED PSYCHIATR SVC

97660 BRF OSTEOPATHIC MANIPULATV THERAPY, UP TO 2S 97260 MANIPULATION, ONE AREA

CHAMPUS-UNIQUE CODES CODE TITLE

MAPPED TO CPT-4 CODE TITLE

97661	LIM OSTEOPATHIC MANIPULATIVE THERAPY, UP TO	97261	MANIPHILATH ADDED ADEAS
	INTER OSTEOPATHIC MANIPULATIVE THER, UP TO		MANIPULATN, ADDED AREAS
	EXTENDED OSTEOPATHIC MANIP THERAPY, UP TO		MANIPULATN, ADDED AREAS
	COMPREHENSIVE OSTEOPATHIC MANIP THER, UP TO		MANIPULATN, ADDED AREAS
	RESIDENTIAL CARE IN PUBLIC INSTITUTIONS		SNF, SUBSEONT CARE, BRF
98010	RESIDENTIAL CARE IN PRIVATE NON-PROFIT INS		SNF, SUBSEONT CARE, BRF
98030	PUBLIC SPECIAL SCHOOLS OR DAY CARE CENTERS		CUSTOD CARE, EST PNT, MIN
98040	PRIVATE, NON-PROFIT SPECIAL SCHOOLS OR DAY		CUSTOD CARE, EST PNT, MIN
98050	CENTERS, PRIVATE PROPRIETARY SPEC SCHOOLS, D	90430	CUSTOD CARE, EST PNT, MIN
98060	SPECIAL CLASS, PRIVATE NON-PROFIT		UNLISTED MED SVC, GENERL
98210	SPECIALIZED CARE(NURS HOME, CONVALESCENT HO)		
98240	VOCATIONAL TRNG SVCS FOR HOMEBOUND PNT	99199	UNLISTED SPEC SVC, RPT
98250	READING THERAPY	99199	UNLISTED SPEC SVC, RPT
98290	OTHER SPECIAL EDUCATION OR VOCATIONAL SERV	99199	UNLISTED SPEC SVC, RPT
98305	AIR AMBULANCE SERVICE	99082	UNUSUAL TRAVEL
98310	BASIC AMBULANCE SERVICE, AIR AMBULANCE	99082	UNUSUAL TRAVEL
	RETURN TRIP, AIR AMBULANCE	99082	UNUSUAL TRAVEL
98315	MILEAGE, AIR AMBULANCE SERVICE	99070	SUPPLIES, EQPMT
98317	OXYGEN, AMBULANCE SERVICE	99070	SUPPLIES, EQPMT
98318	OXYGEN, AMBULANCE SERVICE MISCELLANEOUS SERVICES, AIR AMBULANCE TRANSPORTATION FOR HANDICAPPED ADVANCED LIFE SUPPORT AMBULANCE RETURN TRIP, AMBULANCE SERVICES MILEAGE, AMBULANCE SERVICES MISCELLANEOUS AMBULANCE SERVICES NURSING CARE, HOME	99082	UNUSUAL TRAVEL
98320	TRANSPORTATION FOR HANDICAPPED	99082	UNUSUAL TRAVEL
98330	ADVANCED LIFE SUPPORT AMBULANCE	99082	UNUSUAL TRAVEL
98331	RETURN TRIP, AMBULANCE SERVICES	99082	UNUSUAL TRAVEL
98335	MILEAGE, AMBULANCE SERVICES	99070	SUPPLIES, EQPMT
98338	MISCELLANEOUS AMBULANCE SERVICES	99082	SUPPLIES, EQPMT
98410	NURSING CARE, HOME NURSING CARE, OTHER SPEECH EVALUATION SPEECH THERAPY, INDIVIDUAL SPEECH THERAPY, GROUP	99199	UNLISTED SPEC SVC, RPT
98420	NURSING CARE, OTHER	99199	UNLISTED SPEC SVC, RPT
98510	SPEECH EVALUATION	92506	EVAL, SPEECH, LANG, HEARNG
98520	SPEECH THERAPY, INDIVIDUAL	92507	SPEECH, LANG, HEARNG THER
98530	SPEECH THERAPY, GROUP	92508	SPEECH, LANG, HEARNG THER
98710	OCCUPATIONAL THERAPY EVALUATION	97700	OFFICE VST, ORTHOTIC, ADL
	INDIVIDUAL OCCUPATIONAL THERAPY		
	GROUP OCCUPATIONAL THERAPY	97540	
	OTHER SERVICES BY AN OCCUPATIONAL THERAPIS		
	VSTS REQUIRING EXTENDED TRANSP - HANDICAPP		
	OTHER ROOM, ANCILLARY AND DRUG CHARGES		SUPPLIES, EQPMT
	BIRTHING CENTER-ALL-INCLUSIVE CHARGE-COMPL		TOTAL OBSTETRIC CARE
	BIRTHING CENTER-ALL-INCLUSIVE CHARGE-PARTI		ANTEPARTUM CARE ONLY
99592	HOSPITAL OUTPATIENT BIRTHING ROOM CHARGES	99070	SUPPLIES, EQPMT

APPENDIX G TRANSLATION TABLE FOR CPT-4 VISIT CODES

APPENDIX G

Translation Table for CPT-4 Visit Codes

CPT-4 CODE	NEW CODE	TITLE
90000	99201	OFFICE/OUTPATIENT VISIT, NEW
90010	99202	OFFICE/OUTPATIENT VISIT, NEW
90015	99203	OFFICE/OUTPATIENT VISIT, NEW
90017	99204	OFFICE/OUTPATIENT VISIT, NEW
90020	99205	OFFICE/OUTPATIENT VISIT, NEW
90030	99211	OFFICE/OUTPATIENT VISIT, EST OFFICE/OUTPATIENT VISIT, EST
90040	99212	
90050	99213	OFFICE/OUTPATIENT VISIT, EST
90060	99213	OFFICE/OUTPATIENT VISIT, EST
90070	99214	OFFICE/OUTPATIENT VISIT, EST OFFICE/OUTPATIENT VISIT, EST
90080	99215	OFFICE/OUTPATIENT VISIT, EST HOME VISIT, NEW PATIENT
90100	99341	HOME VISIT, NEW PATIENT
90110	99341	HOME VISIT, NEW PATIENT
90115	99342	HOME VISIT, NEW PATIENT
90117 90130	99343	HOME VISIT, NEW PATIENT HOME VISIT, ESTAB PATIENT
	99351	
90140	99351	HOME VISIT, ESTAB PATIENT HOME VISIT, ESTAB PATIENT
90150 90160	99352	
	99352 99353	HOME VISIT, ESTAB PATIENT HOME VISIT, ESTAB PATIENT
90170		▼
90200	99221	INITIAL HOSPITAL CARE INITIAL HOSPITAL CARE
90215 90220	99222 99223	INITIAL HOSPITAL CARE
90225	99431	INITIAL CARE, NORMAL NEWBORN
90225		SUBSEQUENT HOSPITAL CARE
90240	99231 99231	SUBSEQUENT HOSPITAL CARE SUBSEQUENT HOSPITAL CARE
90260	99231	SUBSEQUENT HOSPITAL CARE
		SUBSEQUENT HOSPITAL CARE SUBSEQUENT HOSPITAL CARE
90270 90280	99232 99233	SUBSEQUENT HOSPITAL CARE SUBSEQUENT HOSPITAL CARE
	99433	NORMAL NEWBORN CARE, HOSPITAL
90282		HOSPITAL DISCHARGE DAY
90292	99238	NURSING FACILITY CARE
90300 90315	99303 99302	NURSING FACILITY CARE
90320	99303	NURSING FACILITY CARE NURSING FACILITY CARE, SUBSEQ
90340	99311	· · · · · · · · · · · · · · · · · · ·
90350	99312	NURSING FACILITY CARE, SUBSEQ NURSING FACILITY CARE, SUBSEQ
90360	99312	NURSING FACILITY CARE, SUBSEQ
90370	99313	REST HOME VISIT, NEW PATIENT
90400 90410	99321	REST HOME VISIT, NEW PATIENT
	99321	REST HOME VISIT, NEW PATIENT
90415	99322	· · · · · · · · · · · · · · · · · · ·
90420	99323	REST HOME VISIT, NEW PATIENT
90430	99331	REST HOME VISIT, ESTAB PAT

CPT-4 CODE	NEW CODE	TITLE
90440	99331	REST HOME VISIT, ESTAB PAT
90450	99332	REST HOME VISIT, ESTAB PAT
90460	99332	REST HOME VISIT, ESTAB PAT
90470	99333	REST HOME VISIT, ESTAB PAT
90500	99281	EMERGENCY DEPT VISIT
90505	99281	EMERGENCY DEPT VISIT
90510	99282	EMERGENCY DEPT VISIT
90515	99283	EMERGENCY DEPT VISIT
90517	99284	EMERGENCY DEPT VISIT
90520	99285	EMERGENCY DEPT VISIT
90530	99281	EMERGENCY DEPT VISIT
90540	99281	EMERGENCY DEPT VISIT
90550	99282	EMERGENCY DEPT VISIT
90560	99283	EMERGENCY DEPT VISIT
90570	99284	EMERGENCY DEPT VISIT
90580	99285	EMERGENCY DEPT VISIT
90590	99288	DIRECT ADVANCED LIFE SUPPORT
90600	99251	INITIAL INPATIENT CONSULT
90600	99241	OFFICE CONSULTATION
90605	99252	INITIAL INPATIENT CONSULT
90605	99242	OFFICE CONSULTATION
90610	99253	INITIAL INPATIENT CONSULT
90610	99243	OFFICE CONSULTATION
90620	99244	OFFICE CONSULTATION
90620	99254	INITIAL INPATIENT CONSULT
90630	99255	INITIAL INPATIENT CONSULT
90630	99245	OFFICE CONSULTATION
90640	99261	FOLLOW-UP INPATIENT CONSULT
90641	99262	FOLLOW-UP INPATIENT CONSULT
90642	99262	FOLLOW-UP INPATIENT CONSULT
90643	99263	FOLLOW-UP INPATIENT CONSULT
90650	95271	CONFIRMATORY CONSULTATION
90651	99272	CONFIRMATORY CONSULTATION
90652	99273	CONFIRMATORY CONSULTATION
90653	99274	CONFIRMATORY CONSULTATION
90654	99275	CONFIRMATORY CONSULTATION
90699	99499	UNLISTED E/M SERVICE
90755	99438	INFANT CARE TO AGE ONE YEAR
90757	99432	NEWBORN CARE NOT IN HOSPITAL
99062	99283	EMERGENCY DEPT VISIT
99064	99283	EMERGENCY DEPT VISIT
99065	99283	EMERGENCY DEPT VISIT
99152	99440	NEWBORN RESUSCITATION
99160	99291	CRITICAL CARE, FIRST HOUR
99162	99292	CRITICAL CARE, ADD'L 30 MIN

APPENDIX H AMBULATORY PATIENT GROUP DEFINITIONS

APPENDIX H

Ambulatory Patient Group Definitions

significant Outpatient procedure: One which is normally scheduled, constitutes the reason for visit, and dominates the time and resources expended during the visit. An example of a significant procedure is the excision of a skin lesion. Also included in significant outpatient procedures are significant tests such as a stress test.

Minor Outpatient Procedure: A procedure which is normally scheduled, may constitute the reason for visit, may dominate the time and resources expended during the visit, can be performed during a medical visit, and does increase the time and resources expended during the visit. Examples of minor outpatient procedures are immunizations and ECGs.

Incidental Outpatient Procedure: A procedure which is normally scheduled, may constitute the reason for the visit, may dominate the time and resources expended during the visit, can be performed during a medical visit and does not significantly increase the time and resources expended during the visit. An example of an incidental outpatient procedure is a venipuncture.

Ancillary Procedure: A procedure which is not normally performed by the primary physician, can be performed at separate time and site and is ordered by the primary physician to assist in patient diagnosis or treatment. Radiology, laboratory tests, anesthesia and pathology constitute ancillary procedures.

APPENDIX I PRELIMINARY AMBULATORY PATIENT GROUP FREQUENCIES

APPENDIX I

Preliminary Ambulatory Patient Group Frequencies

APG	TITLE	FREO	PERCENT	ADJUSTED	
					PERCENT
1	PHOTOCHEMOTHERAPY	42		42	
2	SUPERFICIAL NEEDLE BIOPSY AND ASPIRATIO			83	
3	SIMPLE INCISION AND DRAINAGE	377			-
4	COMPLEX INCISION AND DRAINAGE	27		27	
5 6	DEBRIDEMENT OF NAILS SIMPLE DEBRIDEMENT AND DESTRUCTION	74			
7	SIMPLE EXCISION AND BIOPSY	1182			
8	COMPLEX EXCISION, BIOPSY AND DEBRIDEMEN			519	
9	LIPECTOMY AND EXCISION WITH RECONSTRUCT			2	
10	SIMPLE SKIN REPAIR	425			
11	COMPLEX SKIN REPAIR	100			
12	SKIN AND INTEGUMENT GRAFT, TRANSFER AND				
27	SIMPLE INCISION AND EXCISION OF BREAST				
28	BREAST RECONSTRUCTION AND MASTECTOMY	86		86	
53	OCCUPATIONAL THERAPY	87		87	
54	PHYSICAL THERAPY	5162			
55	DIAGNOSTIC ARTHROSCOPY	65	0.02	65	0.01
56	THERAPEUTIC ARTHROSCOPY	173	0.04	173	0.04
57	REPLACEMENT OF CAST	392	0.09	392	0.09
58	SPLINT, STRAPPING AND CAST REMOVAL			432	0.10
59	TREATMENT OF CLOSED FRACTURE & DISLOCAT			48	0.01
60	TREATMENT OF CLOSED FRACTURE & DISLOCAT				
62	TREATMENT OF OPEN FRACTURE AND DISLOCAT			38	
63	JOINT MANIPULATION UNDER ANESTHESIA	15		15	
64	SIMPLE MAXILLOFACIAL PROCEDURES	139		139	
65	COMPLEX MAXILLOFACIAL PROCEDURES	152		152	
66	INCISION OF BONE, JOINT AND TENDON	80		80	
67	BUNION PROCEDURES	124		124	
68	EXCISION OF BONE, JOINT AND TENDON OF T			205	
69	EXCISION OF BONE, JOINT & TENDON EXCEPT			47	
70	ARTHROPLASTY	20		20	
71 72	HAND AND FOOT TENOTOMY	22		22	
72 73	SIMPLE HAND AND FOOT REPAIR EXCEPT TENO		0.03 0.01	108	0.02 0.01
73 74	COMPLEX HAND AND FOOT REPAIR REPAIR, EXCEPT ARTHROTOMY, OF BONE, JOINT,	91	0.01	91	0.01
7 5	ARTHROTOMY EXCEPT OF HAND AND FOOT	27		27	0.02
76	ARTHROCENTESIS AND LIGAMENT OR TENDON I	888		888	0.20
77	SPEECH THERAPY	117		117	
79	PULMONARY TEST AND THERAPY EXCEPT SPIRO	210		210	0.05
80	NEEDLE AND CATHETER BIOPSY, ASPIRATION,	45		45	0.01
81	SIMPLE ENDOSCOPY OF THE UPPER AIRWAY	125		125	0.03
82	COMPLEX ENDOSCOPY OF THE UPPER AIRWAY	40		40	0.01
83	SIMPLE ENDOSCOPY OF THE LOWER AIRWAY	83		83	0.02
84	COMPLEX ENDOSCOPY OF THE LOWER AIRWAY	16	0.00	16	0.00
_			-		

NOTE: Frequencies include \underline{all} APGs, prior to consolidation or packaging.

APG	TITLE	FREQ 1	Percent	Adjusted Freq Percent	
85	NASAL CAUTERIZATION AND PACKING	35	0.01	35	0.01
86	SIMPLE LIP, MOUTH AND SALIVARY GLAND PR		0.02	64	0.01
87	COMPLEX LIP, MOUTH AND SALIVARY GLAND P		0.01	44	0.C1
88	MISCELLANEOUS SINUS, TRACHEAL AND LUNG	41	0.01	41	0.01
105	EXERCISE TOLERANCE TESTS	493	0.12	493	0.11
106	ECHOCARDIOGRAPHY	696	0.16	696	0.15
107	PHONOCARDIOGRAM	2	0.00	2	0.00
108	CARDIAC ELECTROPHYSIOLOGIC TESTS	38	0.01	38	0.01
109	VASCULAR CANNULATION WITH NEEDLE AND CA	267	0.06	267	0.06
110	DIAGNOSTIC CARDIAC CATHETERIZATION	319	0.08	319	0.07
111	ANGIOPLASTY AND TRANSCATHETER PROCEDURE	83	0.02	83	0.02
112	PACEMAKER INSERTION AND REPLACEMENT	8	0.00	8	0.00
113	REMOVAL AND REVISION OF PACEMAKER AND V	3	0.00	3	0.00
114	MINOR VASCULAR REPAIR AND FISTULA CONST	35	0.01	35	0.01
115	SECONDARY VARICOSE VEINS AND VASCULAR I	61	0.01	61	0.01
116	VASCULAR LIGATION	7	0.00	7	0.00
117	CARDIOPULMONARY RESUSCITATION AND INTUB	88	0.02	88	0.02
131	CHEMOTHERAPY BY INFUSION	•	•	•	•
132	CHEMOTHERAPY EXCEPT BY INFUSION	92	0.02	92	0.02
133	TRANSFUSION AND PHLEBOTOMY	87	0.02	87	0.02
134	BLOOD AND BLOOD PRODUCT EXCHANGE	7	0.00	7	0.00
135	DEEP LYMPH STRUCTURE AND THYROID PROCED	32	0.01	32	0.01
136	ALLERGY TESTS AND IMMUNOTHERAPY	723	0.17	723	0.16
157	ALIMENTARY TESTS AND SIMPLE TUBE PLACEM	18	0.00	18	0.00
158	ESOPHAGEAL DILATION WITHOUT ENDOSCOPY	23	0.01	23	0.01
159	PERCUTANEOUS AND OTHER SIMPLE GASTROINT	28	0.01	28	0.01
160	ANOSCOPY WITH BIOPSY AND DIAGNOSTIC PRO	412	0.10	412	0.09
161	PROCTOSIGMOIDOSCOPY WITH EXCISION OR BI	54	0.01	54	0.01
162	DIAGNOSTIC UPPER GASTROINTESTINAL ENDOS	340	0.08	340	0.08
163	THERAPEUTIC UPPER GASTROINTESTINAL ENDO	27	0.01	27	0.01
164	DIAGNOSTIC LOWER GASTROINTESTINAL ENDOS	242	0.06	242	0.05
165	THERAPEUTIC LOWER GASTROINTESTINAL ENDO	77	0.02	77	0.02
166	ERCP & OTHER MISCELLANEOUS GASTROINTEST	31	0.01	31	0.01
167	TONSIL AND ADENOID PROCEDURES	349	0.08	349	30.0
168	HERNIA AND HYDROCELE PROCEDURES	196	0.05	196	0.04
169	SIMPLE HEMORRHOID PROCEDURES	35	0.01	35	0.01
170	SIMPLE ANAL AND RECTAL PROCEDURES EXCEP	20	0.00	20	0.00
171	COMPLEX ANAL AND RECTAL PROCEDURES	50	0.01	50	0.01
172	PERITONEAL PROCEDURES AND CHANGE OF INT	21	0.00	21	0.00
173	MISCELLANEOUS DIGESTIVE PROCEDURES	28	0.01	28	0.01
183	SIMPLE URINARY STUDIES AND PROCEDURES	117	0.03	117	0.03
184	RENAL EXTRACORPOREAL SHOCK WAVE LITHOTR	43	0.01	43	0.01
185	URINARY CATHETERIZATION AND DILATATION	211	0.05	211	0.05
186	HEMODIALYSIS	50	0.01	50	0.01
187	PERITONEAL DIALYSIS	4	0.00	4	0.00
188	SIMPLE CYSTOURETHROSCOPY	317	0.07	317	0.07
189	COMPLEX CYSTOURETHROSCOPY AND LITHOLAPA	100	0.02	100	0.02
190	PERCUTANEOUS RENAL ENDOSCOPY, CATHETERI	8	0.00	8	0.00

APG	TITLE	FREQ	PERCENT	ADJUSTED FREQ PERCENT	
191	CYSTOTOMY	8	0.00	8	0.00
192	SIMPLE URETHRAL PROCEDURES	7	0.00	7	0.00
193	COMPLEX URETHRAL PROCEDURES	8	0.00	8	0.00
209	TESTICULAR AND EPIDIDYMAL PROCEDURES	39	0.01	39	0.01
210	INSERTION OF PENILE PROSTHESIS	4	0.00	4	0.00
211	COMPLEX PENILE PROCEDURES	11	0.00	11	0.00
212	SIMPLE PENILE PROCEDURES	457	0.11	457	0.10
213	PROSTATE NEEDLE AND PUNCH BIOPSY	22	0.01	22	0.00
214	TRANSURETHRAL RESECTION OF PROSTATE & O	37	0.01	37	0.01
235	ARTIFICIAL FERTILIZATION	17	0.00	17	0.00
236	PROCEDURES FOR PREGNANCY AND NEONATAL C	441	0.10	441	0.10
237	TREATMENT OF SPONTANEOUS ABORTION	34	0.01	34	0.01
238	THERAPEUTIC ABORTION	4	0.00	4	0.00
239	VAGINAL DELIVERY	314	0.07	314	0.07
240	FEMALE GENITAL ENDOSCOPY	390	0.09	390	0.09
241	COLPOSCOPY	432	0.10	432	0.10
242	MISCELLANEOUS FEMALE REPRODUCTIVE PROCE	645	0.15	645	0.14
243	DILATION AND CURETTAGE	307	0.07	307	0.07
244	FEMALE GENITAL EXCISION AND REPAIR	73	0.02	73	0.02
261	ELECTROENCEPHALOGRAM	384	0.09	384	0.09
262	ELECTROCONVULSIVE THERAPY	72	0.02	72	0.02
263	NERVE AND MUSCLE TESTS	626	0.15	626	0.14
264	INJECTION OF SUBSTANCE INTO SPINAL CORD	147	0.03	147	0.03
265	SUBDURAL AND SUBARACHNOID TAP	4	0.00	4	0.00
266	NERVE INJECTION AND STIMULATION	120	0.03	120	0.03
267	REVISION AND REMOVAL OF NEUROLOGICAL DE	1	0.00	1	0.00
268	NEUROSTIMULATOR AND VENTRICULAR SHUNT I	5	0.00	5	0.00
269	CARPAL TUNNEL RELEASE	85	0.02	85	0.02
270	NERVE REPAIR AND DESTRUCTION	33	0.01	33	0.01
271	COMPLEX NERVE REPAIR	4	0.00	4	0.00
272	SPINAL TAP	103	0.02	103	0.02
287	MINOR OPHTHALMOLOGICAL TESTS AND PROCED	591	0.14	591	0.13
288	FITTING OF CONTACT LENSES	40	0.01	40	0.01
289	SIMPLE LASER EYE PROCEDURES	47	0.01	47	0.01
290	COMPLEX LASER EYE PROCEDURES	34	0.01	34	0.01
291	CATARACT PROCEDURES	167	0.04	167	0.04
292	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES	2	0.00	2	0.00
293	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES	7	0.00	7	0.00
294	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES	29	0.01	29	0.01
295	MODERATE ANTERIOR SEGMENT EYE PROCEDURE	9	0.00	9	0.00
296	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES	7	0.00	7	0.00
297	SIMPLE POSTERIOR SEGMENT EYE PROCEDURES	12	0.00	12	0.00
298	COMPLEX POSTERIOR SEGMENT EYE PROCEDURE	35	0.01	35	0.01
299	STRABISMUS AND MUSCLE EYE PROCEDURES	33	0.01	33	0.01
300	SIMPLE REPAIR AND PLASTIC PROCEDURES OF	72	0.02	72	0.02
301	COMPLEX REPAIR AND PLASTIC PROCEDURES O	27	0.01	27	0.01
313	OTORHINOLARYNGOLOGIC FUNCTION TESTS	65	0.02	65	0.01
314	MAJOR EXTERNAL EAR PROCEDURES	5	0.00	5	0.00

APG	TITLE	FREQ	PERCENT	ADJUSTED FREQ PERCENT	
315	TYMPANOSTOMY AND OTHER SIMPLE MIDDLE EA	399	0.09	399	0.09
316	TYMPANOPLASTY AND OTHER COMPLEX MIDDLE			60	0.01
317	INNER EAR PROCEDURES	3		3	
318	SIMPLE AUDIOMETRY	1501		1501	0.33
	REMOVAL OF IMPACTED CERUMEN	130			
	SIMPLE DIAGNOSTIC NUCLEAR MEDICINE	569		569	
	COMPLEX DIAGNOSTIC NUCLEAR MEDICINE				
	THERAPEUTIC NUCLEAR MEDICINE BY INJECTI			20	
	RADIATION THERAPY	286		286	
	OBSTETRICAL ULTRASOUND			1288	
346	DIAGNOSTIC ULTRASOUND EXCEPT OBSTETRICA			1696	
347	HYPERTHERMIA	•	•	•	•
348	MAGNETIC RESONANCE IMAGING	309	0.07	309	0.07
349	COMPUTERIZED AXIAL TOMOGRAPHY	1590		1590	
350	MAMMOGRAPHY	1650	0.39	1650	0.37
351	PLAIN FILM	22316	5.28	22316	4.94
352	FLUOROSCOPY	23	0.01	23	0.01
353	CEREBRAL, PULMONARY, CERVICAL AND SPINA	42	0.01	42	0.01
354	VENOGRAPHY OF EXTREMITY	37		37	0.01
355	NON-CARDIAC, NON-CEREBRAL VASCULAR RADI	60	0.01	60	0.01
356	DIGESTIVE RADIOLOGY	1019		1019	0.23
	UROGRAPHY AND GENITAL RADIOLOGY	418	0.10	418	
	ARTHROGRAPHY	24		24	
	MYELOGRAPHY	30		30	
360	MISCELLANEOUS RADIOLOGY	4		4	
	ANESTHESIA	•	•	6700	•
	SIMPLE PATHOLOGY	6700			
	COMPLEX PATHOLOGY	41		41	
	TISSUE TYPING	101		101	
	HUMAN TISSUE CULTURE	5			
	SIMPLE IMMUNOLOGY TESTS			3525	
	COMPLEX IMMUNOLOGY TESTS			784	
421	SIMPLE MICROBIOLOGY TESTS			6007	
422			0.15		0.14
423	SIMPLE ENDOCRINOLOGY TESTS	432	0.10	432	0.10
424	COMPLEX ENDOCRINOLOGY TESTS	103		103	0.02
425	BASIC CHEMISTRY TESTS	5490	- -		1.22
426	SIMPLE CHEMISTRY TESTS	11556			2.56
427	COMPLEX CHEMISTRY TESTS	1919		1919	
428	MULTICHANNEL CHEMISTRY TESTS	5128		5128	1.14
429	SIMPLE TOXICOLOGY TESTS	60	0.01	60	0.01
430	COMPLEX TOXICOLOGY TESTS	45		45	0.01
431	URINALYSIS	7791		7791	1.73
432	THERAPEUTIC DRUG MONITORING	476		476	0.11
433	RADIOIMMUNOASSAY TESTS	2702		2702	0.60
434	SIMPLE CLOTTING TESTS	1055		1055	0.23
435	COMPLEX CLOTTING TESTS	28		28	0.01
436	SIMPLE HEMATOLOGY TESTS	12408	2.93	12408	2.75

APG	TITLE	FREQ	PERCENT	ADJUS FREQ I	TED PERCENT
437	COMPLEX HEMATOLOGY TESTS	166	0.04	166	0.04
439	LITHIUM LEVEL MONITORING	50	0.01	50	0.01
440	BLOOD AND URINE DIPSTICK TESTS	397		397	
443	SPIROMETRY AND RESPIRATORY THERAPY	892		892	0.20
444	INFUSION THERAPY EXCEPT CHEMOTHERAPY	25		25	0.01
447	CARDIOGRAM	2585		2585	
449	SIMPLE IMMUNIZATION	2883		2883	
450	MODERATE IMMUNIZATION	334		334	
451	COMPLEX IMMUNIZATION	7	0.00	7	0.00
452	MINOR GYNECOLOGICAL PROCEDURES	67	0.02	67	0.01
454	MINOR DOPPLER, ECG MONITORING & AMBULAT	479	0.11	479	0.11
455	MINOR OPHTHALMOLOGICAL INJECTION, SCRAP	101	0.02	101	0.02
456	VESTIBULAR FUNCTION TESTS	69	0.02	69	0.02
457	MINOR URINARY TUBE CHANGE	3	0.00	3	0.00
458	SIMPLE ANOSCOPY	53	0.01	53	0.01
459	BIOFEEDBACK AND HYPNOTHERAPY	18	0.00	18	0.00
460	PROVISION OF VISION AIDS	422	0.10	422	0.09
461	INTRODUCTION OF NEEDLE AND CATHETER	8225	1.94	8225	
469	PROFESSIONAL SERVICE	138276	32.69	138276	30.62
470	INDIVIDUAL PSYCHOTHERAPY	1806	0.43	1806	0.40
471	GROUP PSYCHOTHERAPY	1201	0.28	1201	0.27
472	PSYCHOTROPIC MEDICATION MANAGEMENT	517	0.12	517	0.11
473	COMPREHENSIVE PSYCHIATRIC EVALUATION AN	14915	3.53	14915	3.30
474	FAMILY PSYCHOTHERAPY	2206		2206	0.49
475	RADIOLOGICAL SUPERVISION AND INTERPRETA			434	0.10
478	THERAPFUTIC RADIOLOGY PLANNING AND DEVI	326	0.08	326	0.07
500	CLASS ONE CHEMOTHERAPY DRUGS	•	•	•	•
501	CLASS TWO CHEMOTHERAPY DRUGS	•	•	•	•
502	CLASS THREE CHEMOTHERAPY DRUGS	•	•	•	•
601	HEMATOLOGICAL MALIGNANCY	1	0.00	357	0.08
602	PROSTATIC MALIGNANCY	•	•	76	0.02
603	LUNG MALIGNANCY	•	•	165	0.04
604	SKIN MALIGNANCY	2	0.00	109	0.02
605	MALIGNANCIES EXCEPT HEMATOLOGICAL, PROS	11	0.00	1151	0.25
616	POISONING	5	0.00	310	0.07
631	HEAD AND SPINE INJURY	•	•	209	0.05
632	BURNS, AND SKIN AND SOFT TISSUE INJURY	36	0.01	2187	0.48
633	FRACTURE, DISLOCATION AND SPRAIN	35	0.01	2717	0.60
634	OTHER INJURIES	1	0.00	168	0.04
654	INDIVIDUAL SUPPORTIVE TREATMENT FOR SEN	•	•	35	0.01
655	PSYCHOTROPIC MEDICATION MANAGEMENT AND	13	0.00	1312	0.29
656	COMPREHENSIVE PSYCHIATRIC EVALUATION AN	•	•	68	0.02
657	COMPREHENSIVE PSYCHIATRIC EVALUATION AN	•	•	32	0.01
658	FAMILY PSYCHOTHERAPY	•	•	13	0.00
659	GROUP PSYCHOTHERAPY	•	•	1	0.00
664	COMPREHENSIVE THERAPY FOR DRUG ABUSE WI	•	•	•	•
667	COMPREHENSIVE THERAPY FOR DRUG ABUSE WI	1	0.00	6	0.00
668	MEDICATION MANAGEMENT AND BRIEF PSYCHOT	1	0.00	72	0.02

APG	TITLE	FREQ	PERCENT	ADJUSTED		
				FREQ P	FREQ PERCENT	
669	FAMILY THERAPY FOR DRUG ABUSE	•	•	•	•	
670	GROUP THERAPY FOR DRUG ABUSE	•	•	•	•	
676	NEONATE AND CONGENITAL ANOMALY	•	•	172		
691	ROUTINE PRENATAL CARE	•		11	0.00	
692	MATERNAL ANTEPARTUM COMPLICATION	1	0.00	23	0.01	
693	ROUTINE POSTPARTUM CARE	•	•	3	0.00	
694	MATERNAL POSTPARTUM COMPLICATION	•	•	13	0.00	
721	SYSTEMIC INFECTIOUS DISEASE	28	0.01		0.37	
723	SEXUALLY TRANSMITTED DISEASE IN MALES	•		13	0.00	
724	SEXUALLY TRANSMITTED DISEASE IN FEMALES		0.00			
736	TIA, CVA AND OTHER CEREBROVASCULAR EVEN	•	•	167		
737	HEADACHE	11	0.00	1368		
738	CENTRAL NERVOUS SYSTEM DISEASES EXCEPT	14	0.00	1572		
751	CATARACTS	•	•	110	0.02	
752	REFRACTION DISORDER	8		157		
753	CONJUNCTIVITIS AND OTHER SIMPLE EXTERNA			695		
754	BYE DISEASE EXCEPT CATARACT, REFRACTION	13	0.00	1201	0.27	
766	DENTAL DISEASE	5	0.00	121	0.03	
767	ACUTE INFECTIOUS EAR, NOSE AND THROAT D	113	0.03	3936	0.87	
768	ACUTE INFECTIOUS EAR, NOSE AND THROAT D	264	0.06	10242	2.27	
769	ACUTE NONINFECTIOUS EAR, NOSE AND THROA	29	0.01	1622	0.36	
771	HEARING LOSS	3	0.00	117	0.03	
772	OTHER EAR, NOSE, THROAT AND MOUTH DISEA	28	0.01	1191	0.26	
781	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHM	10	0.00	2282	0.51	
782	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHM	24	0.01	1538	0.34	
783	PNEUMONIA	2	0.00	600	0.13	
784	RESPIRATORY DISEASE EXCEPT EMPHYSEMA, CH	2	0.00	536	0.12	
796	CONGESTIVE HEART FAILURE AND ISCHEMIC H	1	0.00	684	0.15	
797	HYPERTENSION	25	0.01	3971	0.88	
800	CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHE	15	0.00	2120	0.47	
811	NONINFECTIOUS GASTROENTERITIS	13	0.00	1039	0.23	
812	ULCERS, GASTRITIS AND ESOPHAGITIS			834	0.18	
813	FUNCTIONAL GASTROINTESTINAL DISEASE AND	3	0.00	307	0.07	
814	HEPATOBILIARY DISEASE	6		383	0.08	
816	HEMORRHOIDS AND OTHER ANAL-RECTAL DISEA	5		299	0.07	
817	OTHER GASTROINTESTINAL DISEASES	25				
827	MAJOR SIGNS, SYMPTOMS AND FINDINGS	•	•	145		
841	BACK DISORDERS	10				
842	MUSCULOSKELETAL DISEASES EXCEPT BACK DI	84				
856	DISEASE OF NAILS	4	0.00	202		
857	CHRONIC SKIN ULCER	1	0.00	63	0.01	
858	CELLULITIS, IN PETIGO AND LYMPHANGITIS	9	_	537		
859	BREAST DISEASE	15		857		
860	OTHER SKIN DISEASES	139				
871	DIABETES	5	0.00	1621		
872	OBESITY	_		60	0.01	
873	ENDOCRINE, NUTRITIONAL & METABOLIC DISEA	13	0.00			
886	URINARY TRACT INFECTION	25		1590		
555	AND THE THE POST OF THE POST O	23	0.01	1370	0.33	

APG	TITLE	FREQ	PERCENT	A DJUST E D	
				FREQ	PERCENT
887	RENAL FAILURE	1	0.00	46	0.01
888	URINARY DISEASE EXCEPT URINARY TRACT IN	13	0.00	842	0.19
901	BENIGN PROSTATIC HYPERTROPHY	3	0.00	133	0.03
902	MALE REPRODUCTIVE DISEASES EXCEPT BENIG	11	0.00	407	0.09
916	FEMALE GYNECOLOGIC DISEASE	31	0.01	3601	0.80
932	AIDS RELATED COMPLEX & HIV INFECTION WI	•	•	7	0.00
933	OTHER IMMUNOLOGIC AND HEMATOLOGIC DISEA	9	0.00	817	0.18
946	ADULT MEDICAL EXAMINATION	•	•	148	0.03
947	WELL CHILD CARE	6	0.00	602	0.13
948	COUNSELING		•	28	0.01
949	CONTRACEPTION AND PROCREATIVE MANAGEMEN	5	0.00	237	0.05
950	REPEAT PRESCRIPTION	•	•	•	•
951	NONSPECIFIC SIGNS & SYMPTOMS & OTHER CO	24	0.01	3117	0.69
959	ADMITTED OR DIED	5	0.00	10622	2.35
999	UNGROUPABLE	117719	27.83	55654	12.32

APPENDIX J FINAL AMBULATORY PATIENT GROUP FREQUENCIES

APPENDIX J

Final Ambulatory Patient Group Frequencies

APG	APG TITLE	COUNT	FREQUENCY
1	PHOTOCHEMOTHERAPY SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION SIMPLE INCISION AND DRAINAGE	42	0.02
2	SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION	73	0.04
3	SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION SIMPLE INCISION AND DRAINAGE COMPLEX INCISION AND DRAINAGE DEBRIDEMENT OF NAILS SIMPLE DEBRIDEMENT AND DESTRUCTION	312	0.17
4	COMPLEX INCISION AND DRAINAGE	24	0.01
5	DEBRIDEMENT OF NAILS	59	0.03
6			
7	SIMPLE EXCISION AND BIOPSY	846	0.46
8	COMPLEX EXCISION, BIOPSY AND DEBRIDEMENT	381	0.21
9	SIMPLE EXCISION AND BIOPSY COMPLEX EXCISION, BIOPSY AND DEBRIDEMENT LIPECTOMY AND EXCISION WITH RECONSTRUCTI SIMPLE SKIN REPAIR	•	•
10	SIMPLE SKIN REPAIR	366	0.20
11	COMPLEX SKIN REPAIR SKIN AND INTEGUMENT GRAFT, TRANSFER AND	72	0.04
12	SKIN AND INTEGUMENT GRAFT, TRANSFER AND	104	0.06
27	SIMPLE INCISION AND EXCISION OF BREAST	120	0.06
28	BREAST RECONSTRUCTION AND MASTECTOMY	46	0.02
53	OCCUPATIONAL THERAPY	70	0.04
54	PHYSICAL THERAPY	2780	1.50
55	DIAGNOSTIC ARTHROSCOPY	31	0.02
56	THERAPEUTIC ARTHROSCOPY	100	0.05
57	OCCUPATIONAL THERAPY PHYSICAL THERAPY DIAGNOSTIC ARTHROSCOPY THERAPEUTIC ARTHROSCOPY REPLACEMENT OF CAST SPLINT, STRAPPING AND CAST REMOVAL	331	0.18
58	SPLINT, STRAPPING AND CAST REMOVAL	321	0.17
59	TREATMENT OF CLOSED FRACTURE & DISLOCATI	44	0.02
60	TREATMENT OF CLOSED FRACTURE & DISLOCATI	210	0.11
62	TREATMENT OF OPEN FRACTURE AND DISLOCATI	24	0.01
63	JOINT MANIPULATION UNDER ANESTHESIA SIMPLE MAXILLOFACIAL PROCEDURES COMPLEX MAXILLOFACIAL PROCEDURES INCISION OF BONE, JOINT AND TENDON BUNION PROCEDURES	12	0.01
64	SIMPLE MAXILLOFACIAL PROCEDURES	82	0.04
65	COMPLEX MAXILLOFACIAL PROCEDURES	99	0.05
66	INCISION OF BONE, JOINT AND TENDON	25	0.01
67			
68	EXCISION OF BONE, JOINT AND TENDON OF TH	111	0.06
69	EXCISION OF BONE, JOINT & TENDON EXCEPT	30	0.02
70	ARTHROPLASTY	13	0.01
71	HAND AND FOOT TENOTOMY	2	0.00
72	HAND AND FOOT TENOTOMY SIMPLE HAND AND FOOT REPAIR EXCEPT TENOT	61	0.03
73	COMPLEX HAND AND FOOT REPAIR	43	0.02
74	REPAIR, EXCEPT ARTHROTOMY, OF BONE, JOINT, T	56	0.03
75	ARTHROTOMY EXCEPT OF HAND AND FOOT	21	0.01
76	ARTHROCENTESIS AND LIGAMENT OR TENDON IN	770	0.41
77	SPEECH THERAPY	113	0.06
79	PULMONARY TEST AND THERAPY EXCEPT SPIROM	180	0.10
80	NEEDLE AND CATHETER BIOPSY, ASPIRATION,	32	0.02
81	SIMPLE ENDOSCOPY OF THE UPPER AIRWAY	104	
82	COMPLEX ENDOSCOPY OF THE UPPER AIRWAY	24	0.01
83	SIMPLE ENDOSCOPY OF THE LOWER AIRWAY	58	0.03
84	COMPLEX ENDOSCOPY OF THE LOWER AIRWAY	13	0.01

NOTE: APGs flagged for consolidation & ancillary packaging are excluded.

APG	APG TITLE	COUNT	FREQUENCY
85	NASAL CAUTERIZATION AND PACKING	29	0.02
86	NASAL CAUTERIZATION AND PACKING SIMPLE LIP, MOUTH AND SALIVARY GLAND PRO COMPLEX LIP, MOUTH AND SALIVARY GLAND PR	51	0.03
87	COMPLEX LIP, MOUTH AND SALIVARY GLAND PR	32	0.02
88	COMPLEX LIP, MOUTH AND SALIVARY GLAND PR MISCELLANEOUS SINUS, TRACHEAL AND LUNG P	32	0.02
105	EXERCISE TOLERANCE TESTS	458	0.25
106	ECHOCARDIOGRAPHY	460	0.25
107	PHONOCARDIOGRAM CARDIAC ELECTROPHYSIOLOGIC TESTS VASCULAR CANNULATION WITH NEEDLE AND CAT	3	0.00
108	CARDIAC ELECTROPHYSIOLOGIC TESTS	20	0.01
109	VASCULAR CANNULATION WITH NEEDLE AND CAT	152	0.08
110	DIXCNOCMIC CXDDIXO CXMUEMEDIVAMION	257	0.13
111	ANGIOPLASTY AND TRANSCATHETER PROCEDURES PACEMAKER INSERTION AND REPLACEMENT	60	0.03
112	PACEMAKER INSERTION AND REPLACEMENT	5	0.00
113	PACEMAKER INSERTION AND REPLACEMENT REMOVAL AND REVISION OF PACEMAKER AND VA	2	0.00
114	MINUK VASCULAK KEPAIK AND FISTULA CONSTR		0.01
115	SECONDARY VARICOSE VEINS AND VASCULAR IN	43	0.02
116	VASCULAR LIGATION	5	0.00
117	CARDIOPULMONARY RESUSCITATION AND INTUBA CHEMOTHERAPY BY INFUSION	59	0.03
131	CHEMOTHERAPY BY INFUSION	194	0.10
132	CARDIOPULMONARY RESUSCITATION AND INTUBA CHEMOTHERAPY BY INFUSION CHEMOTHERAPY EXCEPT BY INFUSION TRANSFUSION AND PHLEBOTOMY BLOOD AND BLOOD PRODUCT EXCHANGE DEEP LYMPH STRUCTURE AND THYROID PROCEDU ALLERGY TESTS AND SIMPLE TUBE DIAGENTE	198	0.11
133	TRANSFUSION AND PHLEBOTOMY	75	0.04
134	BLOOD AND BLOOD PRODUCT EXCHANGE	5	0.00
135	DEEP LYMPH STRUCTURE AND THYROID PROCEDU	22	0.01
136	ALLERGY TESTS AND IMMUNOTHERAPY	435	0.23
157	ALIMENTARY TESTS AND SIMPLE TUBE PLACEME	16	0.01
158	BLOOD AND BLOOD PRODUCT EXCHANGE DEEP LYMPH STRUCTURE AND THYROID PROCEDU ALLERGY TESTS AND IMMUNOTHERAPY ALIMENTARY TESTS AND SIMPLE TUBE PLACEME ESOPHAGEAL DILATION WITHOUT ENDOSCOPY PERCUTANEOUS AND OTHER SIMPLE GASTROINTE ANOSCOPY WITH BLODSY AND DIAGNOSTIC PROC	5	0.00
159	PERCUTANEOUS AND OTHER SIMPLE GASTROINTE	24	
160	ANOBEOFI WITH DIOFSI AND DIAGNOSTIC PROC	331	
161	PROCTOSIGMOIDOSCOPY WITH EXCISION OR BIO		
162	DIAGNOSTIC UPPER GASTROINTESTINAL ENDOSC	305	
163	THERAPEUTIC UPPER GASTROINTESTINAL ENDOS		
164	DIAGNOSTIC LOWER GASTROINTESTINAL ENDOSC	216	
165	THERAPEUTIC LOWER GASTROINTESTINAL ENDOS		0.04
166		19	0.01
167	TONSIL AND ADENOID PROCEDURES	233	
168	HERNIA AND HYDROCELE PROCEDURES	114	0.06
169 170	SIMPLE HEMORRHOID PROCEDURES SIMPLE ANAL AND RECTAL PROCEDURES EXCEPT	30	0.02
171	COMPLEX ANAL AND RECTAL PROCEDURES EXCEPT	10	0.01
172	PERITONEAL PROCEDURES AND CHANGE OF INTR	40	0.02
172	MISCELLANEOUS DIGESTIVE PROCEDURES	18 24	0.01
183	SIMPLE URINARY STUDIES AND PROCEDURES	24 84	0.01 0.05
184	RENAL EXTRACORPOREAL SHOCK WAVE LITHOTRI	30	0.03
185	URINARY CATHETERIZATION AND DILATATION		0.02
186	HEMODIALYSIS	150 49	0.03
187	PERITONEAL DIALYSIS	49	0.00
188	SIMPLE CYSTOURETHROSCOPY	241	0.00
189	COMPLEX CYSTOURETHROSCOPY AND LITHULAPAX	77	0.04
190	PERCUTANEOUS RENAL ENDOSCOPY, CATHETERIZ	8	0.00
191	CYSTOTOMY	7	0.00
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APG	APG TITLE	COUNT	FREQUENCY
192	SIMPLE URETHRAL PROCEDURES COMPLEX URETHRAL PROCEDURES TESTICULAR AND EPIDIDYMAL PROCEDURES	5	0.00
193	COMPLEX URETHRAL PROCEDURES	6	0.00
209	TESTICULAR AND EPIDIDYMAL PROCEDURES	27	0.01
210	INSERTION OF PENILE PROSTHESIS COMPLEX PENILE PROCEDURES SIMPLE PENILE PROCEDURES PROSTATE NEEDLE AND PUNCH BIOPSY	2	0.00
211	COMPLEX PENILE PROCEDURES	9	0.00
212	SIMPLE PENILE PROCEDURES	436	0.23
213	PROSTATE NEEDLE AND PUNCH BIOPSY	16	0.01
214	TRANSURETHRAL RESECTION OF PROSTATE & OT	24	0.01
235	ARTIFICIAL FERTILIZATION	16	0.01
236	PROCEDURES FOR PREGNANCY AND NEONATAL CA		0.22
237	TREATMENT OF SPONTANEOUS ABORTION THERAPEUTIC ABORTION VAGINAL DELIVERY FEMALE GENITAL ENDOSCOPY COLPOSCOPY	30	0.02
238	THERAPEUTIC ABORTION	4	0.00
239	VAGINAL DELIVERY	295	0.16
240	FEMALE GENITAL ENDOSCOPY	272	0.15
241	<b>442.42.1</b>		0.21
242	MISCELLANEOUS FEMALE REPRODUCTIVE PROCED	495	
243	DILATION AND CURETTAGE	223	
244	FEMALE GENITAL EXCISION AND REPAIR	48	0.03
261	ELECTROENCEPHALOGRAM	342	0.18
262	DILATION AND CURETTAGE FEMALE GENITAL EXCISION AND REPAIR ELECTROENCEPHALOGRAM ELECTROCONVULSIVE THERAPY NERVE AND MUSCLE TESTS	63	0.03
263	NERVE AND MUSCLE TESTS	254	0.14
264	INJECTION OF SUBSTANCE INTO SPINAL CORD	129	
265	SUBDURAL AND SUBARACHNOID TAP	3	0.00
266	NERVE INJECTION AND STIMULATION	105	0.06
267	REVISION AND REMOVAL OF NEUROLOGICAL DEV NEUROSTIMULATOR AND VENTRICULAR SHUNT IM	•	•
268	NEUROSTIMULATOR AND VENTRICULAR SHUNT IM	5	0.00
269	CARPAL TUNNEL RELEASE	40	0.02
270	NERVE REPAIR AND DESTRUCTION	16	0.01
271	COMPLEX NERVE REPAIR	3	0.00
272	SPINAL TAP	83	0.04
287	MINOR OPHTHALMOLOGICAL TESTS AND PROCEDU		
288	FITTING OF CONTACT LENSES	39	0.02
289	SIMPLE LASER EYE PROCEDURES	46	0.02
290	COMPLEX LASER EYE PROCEDURES	34	0.02
291	CATARACT PROCEDURES	94	0.05
292	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES F	1	0.00
293	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES	5	0.00
294	SIMILE ANTERIOR SEGMENT EYE PROCEDURES E	25	0.01
295	MODERATE ANTERIOR SEGMENT EYE PROCEDURES	7	0.00
296	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES	5	0.00
297	SIMPLE POSTERIOR SEGMENT EYE PROCEDURES	7	0.00
298	COMPLEX POSTERIOR SEGMENT EYE PROCEDURES	17	0.01
299	STRABISMUS AND MUSCLE EYE PROCEDURES	17	0.01
300	SIMPLE REPAIR AND PLASTIC PROCEDURES OF	58	0.03
301	COMPLEX REPAIR AND PLASTIC PROCEDURES OF	19	0.01
313	OTORHINOLARYNGOLOGIC FUNCTION TESTS	55	0.03
314	MAJOR EXTERNAL EAR PROCEDURES	3	0.00
315	TYMPANOSTOMY AND OTHER SIMPLE MIDDLE EAR	283	0.15
316	TYMPANOPLASTY AND OTHER COMPLEX MIDDLE E	32	0.02

APG	INNER EAR PROCEDURES SIMPLE AUDIOMETRY REMOVAL OF IMPACTED CERUMEN SIMPLE DIAGNOSTIC NUCLEAR MEDICINE COMPLEX DIAGNOSTIC NUCLEAR MEDICINE THERAPEUTIC NUCLEAR MEDICINE BY INJECTIO RADIATION THERAPY	COUNT	FREQUENCY
317	INNER EAR PROCEDURES	2	0.00
318	SIMPLE AUDIOMETRY	1013	0.55
319	REMOVAL OF IMPACTED CERUMEN	128	0.07
341	SIMPLE DIAGNOSTIC NUCLEAR MEDICINE	528	0.28
342	COMPLEX DIAGNOSTIC NUCLEAR MEDICINE	294	0.16
343	THERAPEUTIC NUCLEAR MEDICINE BY INTECTIO	19	0.01
344	RADIATION THERAPY	256	0.14
345	ORSTETRICAL HITTRASOUND	1085	n 58
346	DIAGNOSTIC ULTRASOUND EXCEPT OBSTETRICAL	1574	0.85
347	HYPERTHERMIA	13/4	0.05
349	HYPERTHERMIA MAGNETIC RESONANCE IMAGING COMPUTERIZED AXIAL TOMOGRAPHY MAMMOGRAPHY PLAIN FILM FLUOROSCOPY	205	0.21
340	COMPUTERTARD AXIAL TOMOGRAPHY	1441	0.21
350	MAMMOCRAPHY	1589	0.76
351	DIATN FILM	7457	4 02
352	FILIOPOSCODY	7437	0.01
352	CEPERDAL DILLMONARY CERVICAL AND SETNAL	20 35	0.02
354	FLUOROSCOPY CEREBRAL, PULMONARY, CERVICAL AND SPINAL VENOGRAPHY OF EXTREMITY	37	0.02
355	NON-CARDIAC, NON-CEREBRAL VASCULAR RADIO	57 52	0.02
356	NON-CARDIAC, NON-CEREBRAL VASCULAR RADIO DIGESTIVE RADIOLOGY UROGRAPHY AND GENITAL RADIOLOGY ARTHROGRAPHY MYELOGRAPHY MISCELLANEOUS RADIOLOGY ANESTHESIA SIMPLE PATHOLOGY COMPLEX PATHOLOGY TISSUE TYPING HUMAN TISSUE CULTURE SIMPLE IMMUNOLOGY TESTS COMPLEX IMMUNOLOGY TESTS SIMPLE MICROBIOLOGY TESTS COMPLEX MICROBIOLOGY TESTS SIMPLE ENDOCRINOLOGY TESTS COMPLEX ENDOCRINOLOGY TESTS BASIC CHEMISTRY TESTS SIMPLE CHEMISTRY TESTS	969	0.52
357	IIDOCDADUV AND CENTUAL DADIOLOGV	270	0.20
	ARTHROGRAPHY	2/	0.01
350 350	MYELOGRAPHY	24	0.01
355	MISCELLANEOUS RADIOLOGY	20 A	0.02
365	ANECOUECTA	4	0.00
303 201	ANESTHESIA	1002	1.02
387	SIMPLE PATHOLOGY COMPLEX PATHOLOGY	1902	0.02
417	MICCUE MUDINO	3 <i>2</i> 55	0.02
417	TISSUE TIPING	22	0.03
419	CIMPLE IMMUNOLOCY TECTS	010	0.49
	COMPLEX IMMUNOLOGY TESTS	210	0.31
420 421	COMPLEX IMMUNULUGI TESIS	1225	0.71
	COMPLEX MICROBIOLOGY TESTS	1323	0.71
	CIMPLE ENDOCPINGLOCA MECAC	115	0.06
	SIMPLE ENDOCRINOLOGY TESTS COMPLEX ENDOCRINOLOGY TESTS	113	0.05
424	DACTO OURMICHDY MECHO	1727	0.03
	SIMPLE CHEMISTRY TESTS	2741	1 75
426 427	COMPLEX CHEMISTRY TESTS	3241	1.75
427	COMPLEX CHEMIOTRI TESTS	1463	0.77
428 429	MULTICHANNEL CHEMISTRY TESTS SIMPLE TOXICOLOGY TESTS	1415	
		32	0.02
430	COMPLEX TOXICOLOGY TESTS	23	0.01
431	URINALYSIS NOVITODING	1121	0.60
432	THERAPEUTIC DRUG MONITORING	408	0.22
433	RADIOIMMUNOASSAY TESTS	1854	
434 435	SIMPLE CLOTTING TESTS	433	
435	COMPLEX CLOTTING TESTS	15	0.01
436	SIMPLE HEMATOLOGY TESTS	2655	
437	COMPLEX HEMATOLOGY TESTS	103	0.06
439	LITHIUM LEVEL MONITORING	33	0.02
440	BLOOD AND URINE DIPSTICK TESTS	105	0.06

APG	APG TITLE	COUNT	FREQUENCY
443	SPIROMETRY AND RESPIRATORY THERAPY	•	
444	INFUSION THERAPY EXCEPT CHEMOTHERAPY	23	0.01
447	CARDIOGRAM	•	•
449	SIMPLE IMMUNIZATION	295	
450	MODERATE IMMUNIZATION	86	
451	COMPLEX IMMUNIZATION	7	0.00
452	MINOR GYNECOLOGICAL PROCEDURES	7 27	0.01
454	MINOR DOPPLER, ECG MONITORING & AMBULATO	•	•
455	MINOR OPHTHALMOLOGICAL INJECTION, SCRAPI	•	•
456	VESTIBULAR FUNCTION TESTS	•	•
457	MINOR URINARY TUBE CHANGE	•	•
458	SIMPLE ANOSCOPY	8	0.00
459	BIOFEEDBACK AND HYPNOTHERAPY	•	•
460	PROVISION OF VISION AIDS	•	•
461	INTRODUCTION OF NEEDLE AND CATHETER	898	0.48
469	PROFESSIONAL SERVICE	•	•
470	INDIVIDUAL PSYCHOTHERAPY	•	•
471	GROUP PSYCHOTHERAPY	•	•
472	PSYCHOTROPIC MEDICATION MANAGEMENT	•	•
473	PSYCHOTROPIC MEDICATION MANAGEMENT COMPREHENSIVE PSYCHIATRIC EVALUATION AND	•	•
474	FAMILY PSYCHOTHERAPY	•	•
475	RADIOLOGICAL SUPERVISION AND INTERPRETAT	•	•
478	MURDADRIMEA DARTALACU DIAMITMA AMP REVITA	•	•
500	CLASS ONE CHEMOTHERAPY DRUGS	•	•
501	CLASS TWO CHEMOTHERAPY DRUGS	•	•
502	CLASS THREE CHEMOTHERAPY DRUGS	•	•
601	HEMATOLOGICAL MALIGNANCY	337	0.18
602	PROSTATIC MALIGNANCY	84	0.05
603	LUNG MALIGNANCY	274	0.15
604	SKIN MALIGNANCY	120	0.06
605	MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST		
	POISONING	382	
631	HEAD AND SPINE INJURY	227	
632	BURNS, AND SKIN AND SOFT TISSUE INJURY		1.23
633	FRACTURE, DISLOCATION AND SPRAIN	2934	1.58
634	OTHER INJURIES	197	0.11
654	INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI	100	0.05
655	PSYCHOTROPIC MEDICATION MANAGEMENT AND B	3664	1.97
656	COMPREHENSIVE PSYCHIATRIC EVALUATION AND	8104	4.37
657	COMPREHENSIVE PSYCHIATRIC EVALUATION AND	4377	2.36
658	FAMILY PSYCHOTHERAPY	1930	1.04
659	GROUP PSYCHOTHERAPY	752	0.41
664	COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT	33	0.02
667	COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT	250	0.13
668	MEDICATION MANAGEMENT AND BRIEF PSYCHOTH	131	0.07
669	FAMILY THERAPY FOR DRUG ABUSE	26	0.01
670	GROUP THERAPY FOR DRUG ABUSE	63	0.03
676	NEONATE AND CONGENITAL ANOMALY	417	0.22
691	ROUTINE PRENATAL CARE	11	0.01

APG	APG TITLE  MATERNAL ANTEPARTUM COMPLICATION ROUTINE POSTPARTUM CARE MATERNAL POSTPARTUM COMPLICATION SYSTEMIC INFECTIOUS DISEASE SEXUALLY TRANSMITTED DISEASE IN MALES	COUNT	FREQUENCY
692	MATERNAL ANTEPARTUM COMPLICATION	47	0.03
693	ROUTINE POSTPARTUM CARE	5	0.00
694	MATERNAL POSTPARTUM COMPLICATION	18	0.01
721	SYSTEMIC INFECTIOUS DISEASE	1751	0.94
723	SYSTEMIC INFECTIOUS DISEASE SEXUALLY TRANSMITTED DISEASE IN MALES SEXUALLY TRANSMITTED DISEASE IN FEMALES	13	0.01
724	SEXUALLY TRANSMITTED DISEASE IN FEMALES	1635	0.88
736	TIA, CVA AND OTHER CEREBROVASCULAR EVENT	284	0.15
737	HEADACHE	1507	0.81
738		2129	1.15
751			0.13
752	REFRACTION DISORDER	884	0.48
753		829	0.45
754	EYE DISEASE EXCEPT CATARACT, REFRACTION D	2033	1.10
766	DENTAL DISEASE	128	0.07
767	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	4063	2.19
768	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	10515	5.67
769		4089	2.20
771	HEARING LOSS	142	0.08
772	OTHER EAR, NOSE, THROAT AND MOUTH DISEAS	1285	0.69
781	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA	2674	1.44
782		1769	0.95
783	PNEUMONIA	623	0.34
784	RESPIRATORY DISEASE EXCEPT EMPHYSEMA, CHR CONGESTIVE HEART FAILURE AND ISCHEMIC HE	751	0.40
796			
797	HYPERTENSION	4140	2.23
800	CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHEM	2656	1.43
811	NONINFECTIOUS GASTROENTERITIS	1067	0.57
812	CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHEM NONINFECTIOUS GASTROENTERITIS ULCERS, GASTRITIS AND ESOPHAGITIS FUNCTIONAL GASTROINTESTINAL DISEASE AND	855	0.46
813	FUNCTIONAL GASTROINTESTINAL DISEASE AND	321	0.17
814	HEPATOBILIARY DISEASE	395	0.21
816		319	1.64
817 827	WATOR CICKE CUMPMONE AND EINDINGE	3047	0.13
841	BACK DISORDERS	1205	0.70
842	MUSCULOSKELETAL DISEASES EXCEPT BACK DIS		3.25
856	DISEASE OF NAILS	213	
857	CHRONIC SKIN ULCER	74	
858	CELLULITIS, IMPETIGO AND LYMPHANGITIS	564	
859	BREAST DISEASE	894	
860	OTHER SKIN DISEASES	5584	
871	DIABETES	2084	
872	OBESITY	66	
873	ENDOCRINE, NUTRITIONAL & METABOLIC DISEAS		
886	URINARY TRACT INFECTION	1620	
887	RENAL FAILURE	95	
888	URINARY DISEASE EXCEPT URINARY TRACT INF		
901	BENIGN PROSTATIC HYPERTROPHY	136	
902		420	
916		3906	
			_·

APG	APG TITLE	COUNT	FREQUENCY
932	AIDS RELATED COMPLEX & HIV INFECTION WIT	7	0.00
933	OTHER IMMUNOLOGIC AND HEMATOLOGIC DISEAS	940	0.51
946	ADULT MEDICAL EXAMINATION	178	0.10
947	WELL CHILD CARE	2504	1.35
948	COUNSELING	52	0.03
949	CONTRACEPTION AND PROCREATIVE MANAGEMENT	246	0.13
950	REPEAT PRESCRIPTION	9	0.00
951	NONSPECIFIC SIGNS & SYMPTOMS & OTHER CON	3716	2.00
959	ADMITTED OR DIED	13796	7.43

#### APPENDIX K

AMBULATORY PATIENT GROUP STATISTICS AFTER
CONSOLIDATION/PACKAGING, TRIMMED DATA

#### APPENDIX K

### Ambulatory Patient Group Statistics After Consolidation/Packaging, Trimmed Data

APG	APG TITLE	COUNT	MEAN	CV
1	PHOTOCHEMOTHERAPY	34	37.81	0.58
2	SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION			
3	SIMPLE INCISION AND DRAINAGE	301		0.63
4	COMPLEX INCISION AND DRAINAGE	25		
5	DEBRIDEMENT OF NAILS	32		
6	SIMPLE DEBRIDEMENT AND DESTRUCTION	1314		
7	SIMPLE EXCISION AND BIOPSY	853		
8	COMPLEX EXCISION, BIOPSY AND DEBRIDEMENT			
9	LIPECTOMY AND EXCISION WITH RECONSTRUCTI			
10	SIMPLE SKIN REPAIR	370	147.45	0.56
11	COMPLEX SKIN REPAIR	79	511.64	
12	SKIN AND INTEGUMENT GRAFT, TRANSFER AND	104	888.66	
27	SIMPLE INCISION AND EXCISION OF BREAST		611.81	
28	BREAST RECONSTRUCTION AND MASTECTOMY	50		
53	OCCUPATIONAL THERAPY	68		
54	PHYSICAL THERAPY	2599	64.97	
55	DIAGNOSTIC ARTHROSCOPY	31	470.06	
56	THERAPEUTIC ARTHROSCOPY		1797.21	
57	REPLACEMENT OF CAST		136.49	
58	SPLINT, STRAPPING AND CAST REMOVAL	313		
59	TREATMENT OF CLOSED FRACTURE & DISLOCATI			
60	TREATMENT OF CLOSED FRACTURE & DISLOCATI			
62	TREATMENT OF OPEN FRACTURE AND DISLOCATI			
63	JOINT MANIPULATION UNDER ANESTHESIA	11		
64	SIMPLE MAXILLOFACIAL PROCEDURES		248.98	1.12
65	COMPLEX MAXILLOFACIAL PROCEDURES	106	1562.06	0.68
66	INCISION OF BONE, JOINT AND TENDON	26	300.52	0.97
67	BUNION PROCEDURES	81	1006.60	0.56
68	EXCISION OF BONE, JOINT AND TENDON OF TH	134	605.14	0.58
69	EXCISION OF BONE, JOINT & TENDON EXCEPT	32	726.78	0.80
70	ARTHROPLASTY	13	1490.67	0.75
71	HAND AND FOOT TENOTOMY	2	145.50	0.10
72	SIMPLE HAND AND FOOT REPAIR EXCEPT TENOT	73	680.94	0.80
73	COMPLEX HAND AND FOOT REPAIR	46	811.53	0.72
74	REPAIR, EXCEPT ARTHROTOMY, OF BONE, JOINT, T	57	1175.10	0.71
75	ARTHROTOMY EXCEPT OF HAND AND FOOT	22	1254.49	0.66
76	ARTHROCENTESIS AND LIGAMENT OR TENDON IN	753	85.79	0.49
77	SPEECH THERAPY	106	30.28	0.62
79	PULMONARY TEST AND THERAPY EXCEPT SPIROM	189	122.54	0.80
80	NEEDLE AND CATHETER BIOPSY, ASPIRATION,	38	241.44	
81	SIMPLE ENDOSCOPY OF THE UPPER AIRWAY	100	182.57	0.61
82	COMPLEX ENDOSCOPY OF THE UPPER AIRWAY	25	910.26	
83	SIMPLE ENDOSCOPY OF THE LOWER AIRWAY	66	569.26	0.43

APG	APG TITLE	COUNT	MEAN	CV
84	COMPLEX ENDOSCOPY OF THE LOWER AIRWAY	15	463.41	0.19
85	NASAL CAUTERIZATION AND PACKING	28	144.05	0.86
86	SIMPLE LIP, MOUTH AND SALIVARY GLAND PRO	45	190.24	0.88
87	COMPLEX LIP, MOUTH AND SALIVARY GLAND PR	32	1259.31	0.85
88	MISCELLANEOUS SINUS, TRACHEAL AND LUNG P	33	765.15	0.76
105	EXERCISE TOLERANCE TESTS	461	241.73	0.49
106	ECHOCARDIOGRAPHY	476	307.85	0.57
107	PHONOCARDIOGRAM	3	196.25	0.96
108	CARDIAC ELECTROPHYSIOLOGIC TESTS	22	487.71	1.19
109	VASCULAR CANNULATION WITH NEEDLE AND CAT	183	299.11	0.78
110	DIAGNOSTIC CARDIAC CATHETERIZATION	264	1053.39	0.36
111	ANGIOPLASTY AND TRANSCATHETER PROCEDURES	63	1944.17	
112	PACEMAKER INSERTION AND REPLACEMENT	5	1403.38	
113	REMOVAL AND REVISION OF PACEMAKER AND VA	3	247.33	0.67
114	MINOR VASCULAR REPAIR AND FISTULA CONSTR	24	947.77	
115	SECONDARY VARICOSE VEINS AND VASCULAR IN	31	194.08	
116	VASCULAR LIGATION	5	1543.27	0.91
117	CARDIOPULMONARY RESUSCITATION AND INTUBA	77	280.24	
131	CHEMOTHERAPY BY INFUSION	222	156.57	_
132	CHEMOTHERAPY EXCEPT BY INFUSION	221	116.06	
133	TRANSFUSION AND PHLEBOTOMY	80	156.74	
134	BLOOD AND BLOOD PRODUCT EXCHANGE	6	467.20	
135	DEEP LYMPH STRUCTURE AND THYROID PROCEDU	25	839.93	
136	ALLERGY TESTS AND IMMUNOTHERAPY	420	80.63	
157	ALIMENTARY TESTS AND SIMPLE TUBE PLACEME	14	308.48	
158	ESOPHAGEAL DILATION WITHOUT ENDOSCOPY	6	104.44	
159	PERCUTANEOUS AND OTHER SIMPLE GASTROINTE	26	217.06	0.70
160	ANOSCOPY WITH BIOPSY AND DIAGNOSTIC PROC	377	149.26	
161	PROCTOSIGMOIDOSCOPY WITH EXCISION OR BIO	49	287.73	
162	DIAGNOSTIC UPPER GASTROINTESTINAL ENDOSC	314	455.39	
163	THERAPEUTIC UPPER GASTROINTESTINAL ENDOS	24	651.67	
164	DIAGNOSTIC LOWER GASTROINTESTINAL ENDOSC	224		0.38
165	THERAPEUTIC LOWER GASTROINTESTINAL ENDOS	71	1008.25	0.26
166	ERCP & OTHER MISCELLANEOUS GASTROINTESTI	21	549.87	0.61
167	TONSIL AND ADENOID PROCEDURES	241	548.70	0.54
168	HERNIA AND HYDROCELE PROCEDURES	126		0.60
169		31	189.93	0.70
170	SIMPLE ANAL AND RECTAL PROCEDURES EXCEPT	12	512.33	0.98
171	COMPLEX ANAL AND RECTAL PROCEDURES	39	784.78	0.51
172	PERITONEAL PROCEDURES AND CHANGE OF INTR	20	310.61	0.98
173		20		0.81
183				
184			2255.33	
185		156	81.75	
186			257.24	
187		4		
188		265		
	COMPLEX CYSTOURETHROSCOPY AND LITHOLAPAX			
	PERCUTANEOUS RENAL ENDOSCOPY, CATHETERIZ			

APG	APG TITLE	COUNT	Mean	CV
191	CYSTOTOMY	7	436.59	0.53
192	SIMPLE URETHRAL PROCEDURES	3	125.43	0.14
193	COMPLEX URETHRAL PROCEDURES	7	829.09	0.81
209	TESTICULAR AND EPIDIDYMAL PROCEDURES	28	468.14	
210	INSERTION OF PENILE PROSTHESIS	•	•	•
211	COMPLEX PENILE PROCEDURES	9	667.84	
212	SIMPLE PENILE PROCEDURES	407	121.92	1.39
213	PROSTATE NEEDLE AND PUNCH BIOPSY	19	315.80	0.77
214	TRANSURETHRAL RESECTION OF PROSTATE & OT	25	1329.40	0.54
235	ARTIFICIAL FERTILIZATION	•	•	•
236	PROCEDURES FOR PREGNANCY AND NEONATAL CA	355	151.10	1.11
237	TREATMENT OF SPONTANEOUS ABORTION	30	434.63	0.57
238	THERAPEUTIC ABORTION	3	488.33	0.63
239	VAGINAL DELIVERY	288	856.63	0.60
240	FEMALE GENITAL ENDOSCOPY	283	776.69	0.57
241	COLPOSCOPY	382	199.66	0.65
242	MISCELLANEOUS FEMALE REPRODUCTIVE PROCED	485	193.11	0.97
243	DILATION AND CURETTAGE	239	461.44	0.63
244	FEMALE GENITAL EXCISION AND REPAIR	54	680.35	0.87
261	ELECTROENCEPHALOGRAM	339	156.53	0.69
262	ELECTROCONVULSIVE THERAPY	61	153.91	0.77
263	NERVE AND MUSCLE TESTS	249	201.17	0.55
264	INJECTION OF SUBSTANCE INTO SPINAL CORD	118	379.72	0.99
265	SUBDURAL AND SUBARACHNOID TAP	4	632.00	
266	NERVE INJECTION AND STIMULATION	84	108.26	0.88
267	REVISION AND REMOVAL OF NEUROLOGICAL DEV	•	•	•
268	NEUROSTIMULATOR AND VENTRICULAR SHUNT IM	•	•	•
269	CARPAL TUNNEL RELEASE	53	1084.16	0.61
270	NERVE REPAIR AND DESTRUCTION	19	1152.99	0.69
271	COMPLEX NERVE REPAIR	3	1379.15	0.71
272	SPINAL TAP	95	158.80	0.69
287	MINOR OPHTHALMOLOGICAL TESTS AND PROCEDU		163.98	0.68
288	FITTING OF CONTACT LENSES	8	109.03	0.70
289	SIMPLE LASER EYE PROCEDURES	43	810.53	0.24
290	COMPLEX LASER EYE PROCEDURES	32	983.30	0.28
291		110	2426.12	0.58
292	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES F	•	405 71	•
293	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES		425.71	1.96
294	SIMPLE ANTERIOR SEGMENT EYE PROCEDURES E MODERATE ANTERIOR SEGMENT EYE PROCEDURES	25		1.00
295		7		0.86
296 297	COMPLEX ANTERIOR SEGMENT EYE PROCEDURES	6	2328.03	0.68
297 298	SIMPLE POSTERIOR SEGMENT EYE PROCEDURES COMPLEX POSTERIOR SEGMENT EYE PROCEDURES	8		0.78
299 300	STRABISMUS AND MUSCLE EYE PROCEDURES	18		
301	SIMPLE REPAIR AND PLASTIC PROCEDURES OF COMPLEX REPAIR AND PLASTIC PROCEDURES OF	57 19		
313	OTORHINOLARYNGOLOGIC FUNCTION TESTS	19 59		
314		4	7.11.11	
315	TYMPANOSTOMY AND OTHER SIMPLE MIDDLE EAR	_		0.65
	actions of the color of the proper but	200	3,3.07	

APG	APG TITLE	COUNT	MEAN	cv
316	TYMPANOPLASTY AND OTHER COMPLEX MIDDLE E	36	1922.63	0.65
	INNER EAR PROCEDURES		2046.50	
318			72.11	
319			41.95	
341			93.98	
342			193.76	
343				
344			258.55	
345	OBSTETRICAL ULTRASOUND		109.03	
346	DIAGNOSTIC ULTRASOUND EXCEPT OBSTETRICAL			
347				
348	MAGNETIC RESONANCE IMAGING	375	469.11	0.65
349	MAGNETIC RESONANCE IMAGING COMPUTERIZED AXIAL TOMOGRAPHY	1507	201.05	
350			67.08	
351	PLAIN FILM		65.61	
352	FLUOROSCOPY			
353	CEREBRAL, PULMONARY, CERVICAL AND SPINAL	39	427.12	0.45
354			143.07	
355	NON-CARDIAC, NON-CEREBRAL VASCULAR RADIO	53	386.28	0.53
356			79.54	
357	UROGRAPHY AND GENITAL RADIOLOGY	395	82.38	0.59
358	ARTHROGRAPHY	24	127.19	0.45
359	MYELOGRAPHY	29	250.21	0.29
360	MYELOGRAPHY MISCELLANEOUS RADIOLOGY	4	98.58	0.26
365	ANESTHESIA		•	•
391	ANESTHESIA SIMPLE PATHOLOGY COMPLEX PATHOLOGY TISSUE TYPING HUMAN TISSUE CULTURE SIMPLE IMMUNOLOGY TESTS COMPLEX IMMUNOLOGY TESTS SIMPLE MICROBIOLOGY TESTS	1919	46.46	0.85
392	COMPLEX PATHOLOGY	34	302.13	0.70
417	TISSUE TYPING	99	20.52	1.61
418	HUMAN TISSUE CULTURE	4	109.50	0.94
419	SIMPLE IMMUNOLOGY TESTS	1402	13.21	0.68
420	COMPLEX IMMUNOLOGY TESTS	727	23.80	0.61
421	SIMPLE MICROBIOLOGY TESTS	1504	16.73	0.48
422	COMPLEX MICROBIOLOGY TESTS	581	21.79	0.62
423	SIMPLE ENDOCRINOLOGY TESTS COMPLEX ENDOCRINOLOGY TESTS	177	26.70	0.63
424	COMPLEX ENDOCRINOLOGY TESTS	96	48.35	0.45
425	BASIC CHEMISTRY TESTS	2220	11.38	0.51
426	SIMPLE CHEMISTRY TESTS	3584	35.99	1.04
427	COMPLEX CHEMISTRY TESTS	1775		
428	MULTICHANNEL CHEMISTRY TESTS	1739	24.09	0.58
429	SIMPLE TOXICOLOGY TESTS	41	33.46	0.39
430	COMPLEX TOXICOLOGY TESTS	37	26.19	0.76
431	URINALYSIS	1486	8.22	0.38
432	THERAPEUTIC DRUG MONITORING	447	32.27	0.37
433	RADIOIMMUNOASSAY TESTS	2550	33.48	0.50
434	SIMPLE CLOTTING TESTS	531	10.40	0.43
435	COMPLEX CLOTTING TESTS	28	18.14	0.76
436	SIMPLE HEMATOLOGY TESTS	3403	11.54	0.48
437	COMPLEX HEMATOLOGY TESTS	144	58.50	0.67
439	LITHIUM LEVEL MONITORING	32	17.15	0.25

### BLOOD AND URINE DIPSTICK TESTS	APG	APG TITLE	COUNT	MEAN	CV
447 CARDIOGRAM			114	9.49	0.34
447 CARDIOGRAM 449 SIMPLE IMMUNIZATION 450 MODERATE IMMUNIZATION 451 COMPLEX IMMUNIZATION 452 MINOR GYNECOLOGICAL PROCEDURES 453 MINOR OPPIRER, ECG MONITORING & AMBULATO 454 MINOR DOPPLER, ECG MONITORING & AMBULATO 455 MINOR OPPIRALMOLOGICAL INJECTION, SCRAPI 456 VESTIBULAR PUNCTION TESTS 457 MINOR URINARY TUBE CHANGE 458 SIMPLE ANOSCOPY 459 BIOPEDBACK AND HYPNOTHERAPY 460 PROVISION OF VISION AIDS 461 INTRODUCTION OF NEEDLE AND CATHETER 678 15.25 2.41 467 PROVESSIONAL SERVICE 470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTHERAPY 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 RADIOLOGICAL SUPERVISION AND INTERPRETAT 477 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS THREE CHEMOTHERAPY DRUGS 502 CLASS THREE CHEMOTHERAPY DRUGS 503 CLASS THREE CHEMOTHERAPY DRUGS 604 LEMATOLOGICAL MALIGNANCY 605 MALIGNANCY 606 MALIGNANCY 607 SKIN MALIGNANCY 607 SKIN MALIGNANCY 608 MALIGNANCY 609 CLASS THREE CHEMOTHERAPY DRUGS 601 LUNG MALIGNANCY 602 PROSTATIC MALIGNANCY 603 MALIGNANCY 604 SKIN MALIGNANCY 605 MALIGNANCY 606 POISONING 607 POISONING 608 MEDICATION AND SPRAIN 609 PSYCHOTHERE EXCEPT HEMATOLOGICAL, PROST 610 POISONING 611 HEAD AND SPINE INJURY 612 BURNS, AND SKIN AND SOFT TISSUE INJURY 613 PRACTURE, DISLOCATION AND SPRAIN 614 OTHER INJURIES 615 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 616 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 617 SYCHOTROPIC MEDICATION MANAGEMENT AND B 618 MEDICATION MANAGEMENT AND B 619 SPYCHOTHERAPY FOR DRUG ABUSE WIT 610 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 GROUP PSYCHOTHERAPY 612 GROUP PSYCHOTHERAPY 613 FAMILY THERAPY FOR DRUG ABUSE WIT 614 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 GROUP PSYCHOTHERAPY 618 FAMILY THERAPY FOR DRUG ABUSE WIT 619 GROUP PSYCHOTHERAPY 610 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 612 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 613 GROUP PSYCHOTHERAPY 614 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 6	443	SPIROMETRY AND RESPIRATORY THERAPY	•	•	•
447 CARDIOGRAM 449 SIMPLE IMMUNIZATION 450 MODERATE IMMUNIZATION 451 COMPLEX IMMUNIZATION 452 MINOR GYNECOLOGICAL PROCEDURES 453 MINOR OPPIRER, ECG MONITORING & AMBULATO 454 MINOR DOPPLER, ECG MONITORING & AMBULATO 455 MINOR OPPIRALMOLOGICAL INJECTION, SCRAPI 456 VESTIBULAR PUNCTION TESTS 457 MINOR URINARY TUBE CHANGE 458 SIMPLE ANOSCOPY 459 BIOPEDBACK AND HYPNOTHERAPY 460 PROVISION OF VISION AIDS 461 INTRODUCTION OF NEEDLE AND CATHETER 678 15.25 2.41 467 PROVESSIONAL SERVICE 470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTHERAPY 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 RADIOLOGICAL SUPERVISION AND INTERPRETAT 477 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS THREE CHEMOTHERAPY DRUGS 502 CLASS THREE CHEMOTHERAPY DRUGS 503 CLASS THREE CHEMOTHERAPY DRUGS 604 LEMATOLOGICAL MALIGNANCY 605 MALIGNANCY 606 MALIGNANCY 607 SKIN MALIGNANCY 607 SKIN MALIGNANCY 608 MALIGNANCY 609 CLASS THREE CHEMOTHERAPY DRUGS 601 LUNG MALIGNANCY 602 PROSTATIC MALIGNANCY 603 MALIGNANCY 604 SKIN MALIGNANCY 605 MALIGNANCY 606 POISONING 607 POISONING 608 MEDICATION AND SPRAIN 609 PSYCHOTHERE EXCEPT HEMATOLOGICAL, PROST 610 POISONING 611 HEAD AND SPINE INJURY 612 BURNS, AND SKIN AND SOFT TISSUE INJURY 613 PRACTURE, DISLOCATION AND SPRAIN 614 OTHER INJURIES 615 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 616 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 617 SYCHOTROPIC MEDICATION MANAGEMENT AND B 618 MEDICATION MANAGEMENT AND B 619 SPYCHOTHERAPY FOR DRUG ABUSE WIT 610 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 GROUP PSYCHOTHERAPY 612 GROUP PSYCHOTHERAPY 613 FAMILY THERAPY FOR DRUG ABUSE WIT 614 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 GROUP PSYCHOTHERAPY 618 FAMILY THERAPY FOR DRUG ABUSE WIT 619 GROUP PSYCHOTHERAPY 610 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 612 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 613 GROUP PSYCHOTHERAPY 614 GOMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 6	444	INFUSION THERAPY EXCEPT CHEMOTHERAPY	21	64.52	0.94
450 MODERATE IMMUNIZATION				•	•
451 COMPLEX IMMUNIZATION 6 34.17 0.90 452 MINOR OPPRECOLOGICAL PROCEDURES 27 71.49 0.77 454 MINOR DOPPLER, ECG MONTORING & AMBULATO	449	SIMPLE IMMUNIZATION	186	18.94	0.52
### ### ### ### ### ### ### ### ### ##	450	MODERATE IMMUNIZATION	75	34.18	0.61
### ### ### ### ### ### ### ### ### ##	451	COMPLEX IMMUNIZATION	6	34.17	0.90
### ### ### ### ### ### ### ### ### ##	452	MINOR GYNECOLOGICAL PROCEDURES	27	71.49	0.77
### A57 MINOR URINARY TUBE CHANGE	454	MINOR DOPPLER, ECG MONITORING & AMBULATO	•	•	•
### A57 MINOR URINARY TUBE CHANGE	455	MINOR OPHTHALMOLOGICAL INJECTION, SCRAPI	•	•	•
### ### ##############################				•	•
### ### ##############################	457	MINOR URINARY TUBE CHANGE	•	•	•
### ### ##############################	458	SIMPLE ANOSCOPY	8	41.06	0.38
460 PROVISION OF VISION AIDS 461 INTRODUCTION OF NEEDLE AND CATHETER 678 15.25 2.41 469 PROFESSIONAL SERVICE 470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTROPIC MEDICATION MANAGEMENT 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS TWO CHEMOTHERAPY DRUGS 502 CLASS TWO CHEMOTHERAPY DRUGS 503 CLASS TWO CHEMOTHERAPY DRUGS 504 CLASS TWO CHEMOTHERAPY DRUGS 505 CLASS THREE CHEMOTHERAPY DRUGS 506 CLASS TREE CHEMOTHERAPY DRUGS 507 CLASS THREE CHEMOTHERAPY DRUGS 508 CLASS THREE CHEMOTHERAPY DRUGS 509 CLASS THREE CHEMOTHERAPY DRUGS 500 CLASS THREE CHEMOTHERAPY DRUGS 501 HEMATOLOGICAL MALIGNANCY 502 PROSTATIC MALIGNANCY 503 LUNG MALIGNANCY 504 SKIN MALIGNANCY 505 MALIGNANCY 506 SKIN MALIGNANCY 507 THE TOTAL SAME TO THE TOTA	459	BIOFEEDBACK AND HYPNOTHERAPY			
469 PROFESSIONAL SERVICE 470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTROPIC MEDICATION MANAGEMENT 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS TWO CHEMOTHERAPY DRUGS 502 CLASS THREE CHEMOTHERAPY DRUGS 504 LASS THREE CHEMOTHERAPY DRUGS 605 HEMATOLOGICAL MALIGNANCY 606 PROSTATIC MALIGNANCY 607 PROSTATIC MALIGNANCY 608 LUNG MALIGNANCY 609 MALIGNANCY 610 POISONING 611 HEAD AND SPINE INJURY 612 BURNS, AND SKIN AND SOFT TISSUE INJURY 613 BURNS, AND SKIN AND SOFT TISSUE INJURY 614 OTHER INJURIES 615 PSYCHOTROPIC MEDICATION AND SPRAIN 616 OF PSYCHOTROPIC MEDICATION AND SPRAIN 617 PSYCHOTROPIC MEDICATION AND SPRAIN 618 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 619 SPACETURE, DISLOCATION AND SPRAIN 610 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 611 HEAD AND SPINE INJURY SPACE 612 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 613 PSYCHOTROPIC MEDICATION EVALUATION AND 614 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 615 PSYCHOTROPIC MEDICATION EVALUATION AND 616 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 617 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 618 FAMILY PSYCHOTHERAPY 619 GROUP PSYCHOTHERAPY 610 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 TS. 60 612 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 612 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 613 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 614 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 615 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 616 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 618 PAMILY THERAPY FOR DRUG ABUSE WIT 619 PAMILY THERAPY FOR DRUG ABUSE WIT 610 PSYCHOTHERAPY 611 PSYCHOTHERAPY 612 PSYCHOTHERAPY 613 PSYCHOTHERAPY 614 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 615 PSYCHOTHERAPY 616 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 PSYCHOTHERAPY 618 PSYCHOTHERAPY 619 PSYCHOTHERAPY 610 PSYCHOTHERAPY 611 PSYCHOTHERAPY 612 PSYCHOTHERAPY 613 PSYCHOTHERAPY 614 PSYCHOTHERAPY 615 PSYCH			•	•	•
469 PROFESSIONAL SERVICE 470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTROPIC MEDICATION MANAGEMENT 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS TWO CHEMOTHERAPY DRUGS 502 CLASS THREE CHEMOTHERAPY DRUGS 504 LASS THREE CHEMOTHERAPY DRUGS 605 HEMATOLOGICAL MALIGNANCY 606 PROSTATIC MALIGNANCY 607 PROSTATIC MALIGNANCY 608 LUNG MALIGNANCY 609 MALIGNANCY 610 POISONING 611 HEAD AND SPINE INJURY 612 BURNS, AND SKIN AND SOFT TISSUE INJURY 613 BURNS, AND SKIN AND SOFT TISSUE INJURY 614 OTHER INJURIES 615 PSYCHOTROPIC MEDICATION AND SPRAIN 616 OF PSYCHOTROPIC MEDICATION AND SPRAIN 617 PSYCHOTROPIC MEDICATION AND SPRAIN 618 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 619 SPACETURE, DISLOCATION AND SPRAIN 610 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 611 HEAD AND SPINE INJURY SPACE 612 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 613 PSYCHOTROPIC MEDICATION EVALUATION AND 614 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 615 PSYCHOTROPIC MEDICATION EVALUATION AND 616 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 617 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 618 FAMILY PSYCHOTHERAPY 619 GROUP PSYCHOTHERAPY 610 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 611 TS. 60 612 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 612 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 613 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 614 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 615 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 616 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 618 PAMILY THERAPY FOR DRUG ABUSE WIT 619 PAMILY THERAPY FOR DRUG ABUSE WIT 610 PSYCHOTHERAPY 611 PSYCHOTHERAPY 612 PSYCHOTHERAPY 613 PSYCHOTHERAPY 614 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 615 PSYCHOTHERAPY 616 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 617 PSYCHOTHERAPY 618 PSYCHOTHERAPY 619 PSYCHOTHERAPY 610 PSYCHOTHERAPY 611 PSYCHOTHERAPY 612 PSYCHOTHERAPY 613 PSYCHOTHERAPY 614 PSYCHOTHERAPY 615 PSYCH	461	INTRODUCTION OF NEEDLE AND CATHETER	678	15.25	2.41
470 INDIVIDUAL PSYCHOTHERAPY 471 GROUP PSYCHOTHERAPY 472 PSYCHOTROPIC MEDICATION MANAGEMENT 473 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 474 FAMILY PSYCHOTHERAPY 475 RADIOLOGICAL SUPERVISION AND INTERPRETAT 476 THERAPEUTIC RADIOLOGY PLANNING AND DEVIC 500 CLASS ONE CHEMOTHERAPY DRUGS 501 CLASS TWO CHEMOTHERAPY DRUGS 502 CLASS THREE CHEMOTHERAPY DRUGS 503 CLASS THREE CHEMOTHERAPY DRUGS 504 CLASS THREE CHEMOTHERAPY DRUGS 505 CLASS THREE CHEMOTHERAPY DRUGS 506 CLASS THREE CHEMOTHERAPY DRUGS 507 CLASS THREE CHEMOTHERAPY DRUGS 508 CLASS THREE CHEMOTHERAPY DRUGS 509 CLASS THREE CHEMOTHERAPY DRUGS 500 CLASS THREE CHEMOTHERAPY DRUGS 501 HEMATOLOGICAL MALIGNANCY 502 CLASS THREE CHEMOTHERAPY DRUGS 503 LUNG MALIGNANCY 504 PROSTATIC MALIGNANCY 505 MALIGNANCY 506 MALIGNANCY 507 T2.41 1.41 508 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST 508 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST 509 COUPSIAN AND SPINE INJURY 500 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST 501 HEAD AND SPINE INJURY 502 BURNS, AND SKIN AND SOFT TISSUE INJURY 503 BURNS, AND SKIN AND SOFT TISSUE INJURY 504 COHER INJURIES 505 PSYCHOTROPIC MEDICATION AND SPRAIN 506 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 507 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 508 FAMILY PSYCHOTHERAPY 500 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 507 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 508 FAMILY PSYCHOTHERAPY 500 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 510 CMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 511 CMP T3 CMP T3 CMP T4 CMP T5 CM T5 CMP T5 CMP T5 CM T5 C					
### ### ##############################	470	INDIVIDUAL PSYCHOTHERAPY	•	•	•
### ### ##############################	471	GROUP PSYCHOTHERAPY	•	•	•
### ### ##############################	472	PSYCHOTROPIC MEDICATION MANAGEMENT	•	•	•
### ### ##############################	473	COMPREHENSIVE PSYCHIATRIC EVALUATION AND		•	•
### THERAPEUTIC RADIOLOGY PLANNING AND DEVIC			•	•	•
### THERAPEUTIC RADIOLOGY PLANNING AND DEVIC	475	RADIOLOGICAL SUPERVISION AND INTERPRETAT		•	•
500         CLASS ONE CHEMOTHERAPY DRUGS         .         .           501         CLASS TWO CHEMOTHERAPY DRUGS         .         .           502         CLASS THREE CHEMOTHERAPY DRUGS         .         .           601         HEMATOLOGICAL MALIGNANCY         367         92.13         1.14           602         PROSTATIC MALIGNANCY         88         88.54         1.34           603         LUNG MALIGNANCY         275         123.71         1.24           604         SKIN MALIGNANCY         127         72.41         1.41           605         MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST         1428         104.63         1.74           616         POISONING         388         86.23         1.05           631         HEAD AND SPINE INJURY         238         128.33         1.02           632         BURNS, AND SKIN AND SOFT TISSUE INJURY         2265         89.15         0.88           633         FRACTURE, DISLOCATION AND SPRAIN         2942         89.55         0.94           634         OTHER INJURIES         192         71.64         0.90           654         INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI         92         72.51         0.49           655				•	•
502       CLASS THREE CHEMOTHERAPY DRUGS				•	
602       PROSTATIC MALIGNANCY       88       88.54       1.34         603       LUNG MALIGNANCY       275       123.71       1.24         604       SKIN MALIGNANCY       127       72.41       1.41         605       MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST       1428       104.63       1.74         616       POISONING       388       86.23       1.05         631       HEAD AND SPINE INJURY       238       128.33       1.02         632       BURNS, AND SKIN AND SOFT TISSUE INJURY       2265       89.15       0.88         633       FRACTURE, DISLOCATION AND SPRAIN       2942       89.55       0.94         634       OTHER INJURIES       192       71.64       0.90         654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHEN	501	CLASS TWO CHEMOTHERAPY DRUGS		•	•
602       PROSTATIC MALIGNANCY       88       88.54       1.34         603       LUNG MALIGNANCY       275       123.71       1.24         604       SKIN MALIGNANCY       127       72.41       1.41         605       MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST       1428       104.63       1.74         616       POISONING       388       86.23       1.05         631       HEAD AND SPINE INJURY       238       128.33       1.02         632       BURNS, AND SKIN AND SOFT TISSUE INJURY       2265       89.15       0.88         633       FRACTURE, DISLOCATION AND SPRAIN       2942       89.55       0.94         634       OTHER INJURIES       192       71.64       0.90         654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHEN	502	CLASS THREE CHEMOTHERAPY DRUGS	•	•	•
602       PROSTATIC MALIGNANCY       88       88.54       1.34         603       LUNG MALIGNANCY       275       123.71       1.24         604       SKIN MALIGNANCY       127       72.41       1.41         605       MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST       1428       104.63       1.74         616       POISONING       388       86.23       1.05         631       HEAD AND SPINE INJURY       238       128.33       1.02         632       BURNS, AND SKIN AND SOFT TISSUE INJURY       2265       89.15       0.88         633       FRACTURE, DISLOCATION AND SPRAIN       2942       89.55       0.94         634       OTHER INJURIES       192       71.64       0.90         654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHEN		HEMATOLOGICAL MALIGNANCY	367	92.13	1.14
603       LUNG MALIGNANCY       275       123.71       1.24         604       SKIN MALIGNANCY       127       72.41       1.41         605       MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST       1428       104.63       1.74         616       POISONING       388       86.23       1.05         631       HEAD AND SPINE INJURY       238       128.33       1.02         632       BURNS, AND SKIN AND SOFT TISSUE INJURY       2265       89.15       0.88         633       FRACTURE, DISLOCATION AND SPRAIN       2942       89.55       0.94         634       OTHER INJURIES       192       71.64       0.90         654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       7839       80.14       0.22         657       COMPREHENSIVE PSYCHOTHERAPY       719       44.02       0.36         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMP	602	PROSTATIC MALIGNANCY	88	88.54	1.34
604 SKIN MALIGNANCY 605 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST 616 POISONING 617 HEAD AND SPINE INJURY 618 BURNS, AND SKIN AND SOFT TISSUE INJURY 619 BURNS, AND SKIN AND SOFT TISSUE INJURY 610 BURNS, AND SKIN AND SOFT TISSUE INJURY 611 PRACTURE, DISLOCATION AND SPRAIN 612 BURNS, AND SKIN AND SOFT TISSUE INJURY 613 FRACTURE, DISLOCATION AND SPRAIN 614 OTHER INJURIES 615 PRICHOTROPIC MEDICATION MANAGEMENT FOR SENI 617 PRICHOTROPIC MEDICATION MANAGEMENT AND B 618 BURNS, AND SKIN AND SOFT TISSUE INJURY 619 PRICHOTROPIC MEDICATION MANAGEMENT AND B 619 PRICHOTROPIC MEDICATION MANAGEMENT AND B 610 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 610 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 610 GROUP PSYCHOTHERAPY 610 TIPS WALLOW THE THE TOP TO THE TOP	603	LUNG MALIGNANCY	275	123.71	1.24
605 MALIGNANCIES EXCEPT HEMATOLOGICAL, PROST 616 POISONING 631 HEAD AND SPINE INJURY 632 BURNS, AND SKIN AND SOFT TISSUE INJURY 634 FRACTURE, DISLOCATION AND SPRAIN 635 FRACTURE, DISLOCATION AND SPRAIN 636 OTHER INJURIES 637 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI 638 FRACTORPIC MEDICATION MANAGEMENT AND B 639 BYCHOTROPIC MEDICATION MANAGEMENT AND B 650 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 651 FAMILY PSYCHOTHERAPY 652 FAMILY PSYCHOTHERAPY 653 GROUP PSYCHOTHERAPY 654 GROUP PSYCHOTHERAPY 655 FAMILY PSYCHOTHERAPY 656 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 657 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 658 GROUP PSYCHOTHERAPY 669 GROUP SYCHOTHERAPY FOR DRUG ABUSE WIT 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 660 COMPREHENSIVE THERAPY FOR DRUG ABUSE 661 COMPREHENSIVE THERAPY FOR DRUG ABUSE 662 GROUP SYCHOTHERAPY 663 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 665 FAMILY THERAPY FOR DRUG ABUSE 666 COMPREHENSIVE THERAPY FOR DRUG ABUSE 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 674 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 676 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 678 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG	604	SKIN MALIGNANCY	127	72.41	1.41
616 POISONING 631 HEAD AND SPINE INJURY 632 BURNS, AND SKIN AND SOFT TISSUE INJURY 634 PRACTURE, DISLOCATION AND SPRAIN 635 PRACTURE, DISLOCATION AND SPRAIN 636 OTHER INJURIES 637 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI 638 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 639 BYCHOTROPIC MEDICATION MANAGEMENT AND B 650 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 651 PSYCHOTROPIC MEDICATION EVALUATION AND 652 PSYCHOTROPIC MEDICATION MANAGEMENT AND 653 PSYCHOTROPIC MEDICATION MANAGEMENT AND 654 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 655 PSYCHOTHERAPY 656 FAMILY PSYCHOTHERAPY 657 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 658 GROUP PSYCHOTHERAPY 669 GROUP PSYCHOTHERAPY FOR DRUG ABUSE WIT 660 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 661 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 662 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 663 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 664 FAMILY THERAPY FOR DRUG ABUSE 665 COMPREHENSIVE THERAPY FOR DRUG ABUSE 666 PAMILY THERAPY FOR DRUG ABUSE 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 674 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 676 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 678 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPRE	605	MALIGNANCIES EXCEPT HEMATOLOGICAL. PROST	1428	104.63	1.74
631 HEAD AND SPINE INJURY 632 BURNS, AND SKIN AND SOFT TISSUE INJURY 633 FRACTURE, DISLOCATION AND SPRAIN 634 OTHER INJURIES 635 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI 636 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 637 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 638 FAMILY PSYCHOTHERAPY 639 GROUP PSYCHOTHERAPY 640 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 651 GROUP PSYCHOTHERAPY 653 GROUP PSYCHOTHERAPY 654 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 655 GROUP PSYCHOTHERAPY 666 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 660 COMPREHENSIVE THERAPY FOR DRUG ABUSE 661 COMPREHENSIVE THERAPY FOR DRUG ABUSE 662 GROUP SYCHOTHERAPY FOR DRUG ABUSE 663 COMPREHENSIVE THERAPY FOR DRUG ABUSE 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE 665 FAMILY THERAPY FOR DRUG ABUSE 666 GROUP SYCHOTHERAPY FOR DRUG ABUSE 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 674 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 678 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE			388	86.23	1 05
632 BURNS, AND SKIN AND SOFT TISSUE INJURY 2265 89.15 0.88 633 FRACTURE, DISLOCATION AND SPRAIN 2942 89.55 0.94 634 OTHER INJURIES 192 71.64 0.90 654 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI 92 72.51 0.49 655 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 3483 52.20 0.63 656 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 7839 80.14 0.22 657 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 4253 79.87 0.25 658 FAMILY PSYCHOTHERAPY 1881 89.15 0.35 659 GROUP PSYCHOTHERAPY 719 44.02 0.36 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 31 75.79 0.09 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 241 75.80 0.30 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 109 132.79 1.16 669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24	631	HEAD AND SPINE INJURY	238	128.33	1.02
633 FRACTURE, DISLOCATION AND SPRAIN 634 OTHER INJURIES 654 INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI 655 PSYCHOTROPIC MEDICATION MANAGEMENT AND B 656 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 657 COMPREHENSIVE PSYCHIATRIC EVALUATION AND 658 FAMILY PSYCHOTHERAPY 659 GROUP PSYCHOTHERAPY 719 44.02 0.36 650 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 660 COMPREHENSIVE THERAPY FOR DRUG ABUSE 661 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 662 FAMILY THERAPY FOR DRUG ABUSE 663 COMPREHENSIVE THERAPY FOR DRUG ABUSE 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE 665 FAMILY THERAPY FOR DRUG ABUSE 666 FAMILY THERAPY FOR DRUG ABUSE 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE 668 COMPREHENSIVE THERAPY FOR DRUG ABUSE 669 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 674 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 676 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 677 COMPREHENSIVE THERAPY FOR DRUG ABUSE 678 COMPREHENSIVE THERAPY FOR DRUG ABUSE 679 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 670 COMPREHENSIVE THERAPY FOR DRUG ABUSE 671 COMPREHENSIVE THERAPY FOR DRUG ABUSE 672 COMPREHENSIVE THERAPY FOR DRUG ABUSE 673 COMPREHENSIVE THERAPY FOR DRUG ABUSE 674 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 675 COMPREHENSIVE THERAPY FOR DRUG ABUSE 676 COMPREHENSIVE THERAPY FOR DRUG ABUSE			2265	89.15	0.88
634       OTHER INJURIES       192       71.64       0.90         654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       1881       89.15       0.35         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       241       75.80       0.30         668       MEDICATION MANAGEMENT AND BRIEF PSYCHOTH       109       132.79       1.16         669       FAMILY THERAPY FOR DRUG ABUSE       20       63.28       0.24					
654       INDIVIDUAL SUPPORTIVE TREATMENT FOR SENI       92       72.51       0.49         655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       1881       89.15       0.35         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       241       75.80       0.30         668       MEDICATION MANAGEMENT AND BRIEF PSYCHOTH       109       132.79       1.16         669       FAMILY THERAPY FOR DRUG ABUSE       20       63.28       0.24		•			
655       PSYCHOTROPIC MEDICATION MANAGEMENT AND B       3483       52.20       0.63         656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND 4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       1881       89.15       0.35         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       241       75.80       0.30         668       MEDICATION MANAGEMENT AND BRIEF PSYCHOTH       109       132.79       1.16         669       FAMILY THERAPY FOR DRUG ABUSE       20       63.28       0.24					
656       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       7839       80.14       0.22         657       COMPREHENSIVE PSYCHIATRIC EVALUATION AND       4253       79.87       0.25         658       FAMILY PSYCHOTHERAPY       1881       89.15       0.35         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       241       75.80       0.30         668       MEDICATION MANAGEMENT AND BRIEF PSYCHOTH       109       132.79       1.16         669       FAMILY THERAPY FOR DRUG ABUSE       20       63.28       0.24		· · · · · · · · · · · · · · · · · · ·			
657         COMPREHENSIVE PSYCHIATRIC EVALUATION AND         4253         79.87         0.25           658         FAMILY PSYCHOTHERAPY         1881         89.15         0.35           659         GROUP PSYCHOTHERAPY         719         44.02         0.36           664         COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT         31         75.79         0.09           667         COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT         241         75.80         0.30           668         MEDICATION MANAGEMENT AND BRIEF PSYCHOTH         109         132.79         1.16           669         FAMILY THERAPY FOR DRUG ABUSE         20         63.28         0.24					
658       FAMILY PSYCHOTHERAPY       1881       89.15       0.35         659       GROUP PSYCHOTHERAPY       719       44.02       0.36         664       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       31       75.79       0.09         667       COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT       241       75.80       0.30         668       MEDICATION MANAGEMENT AND BRIEF PSYCHOTH       109       132.79       1.16         669       FAMILY THERAPY FOR DRUG ABUSE       20       63.28       0.24					
659 GROUP PSYCHOTHERAPY 664 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24					
664 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 31 75.79 0.09 667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 241 75.80 0.30 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 109 132.79 1.16 669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24					
667 COMPREHENSIVE THERAPY FOR DRUG ABUSE WIT 241 75.80 0.30 668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 109 132.79 1.16 669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24					
668 MEDICATION MANAGEMENT AND BRIEF PSYCHOTH 109 132.79 1.16 669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24					
669 FAMILY THERAPY FOR DRUG ABUSE 20 63.28 0.24					
676 NEONATE AND CONGENITAL ANOMALY 387 79.83 1.16					

APG	APG TITLE	COUNT	MEAN	CV
691	ROUTINE PRENATAL CARE	9	65.68	0.62
692	MATERNAL ANTEPARTUM COMPLICATION	45		
693	ROUTINE POSTPARTUM CARE	5	41.16	
694	MATERNAL POSTPARTUM COMPLICATION	19	41.32	
721	SYSTEMIC INFECTIOUS DISEASE	1776		
723	SEXUALLY TRANSMITTED DISEASE IN MALES	13		
724	SEXUALLY TRANSMITTED DISEASE IN FEMALES	1612		
736	TIA, CVA AND OTHER CEREBROVASCULAR EVENT	268		
737	HEADACHE	1461		
738	CENTRAL NERVOUS SYSTEM DISEASES EXCEPT T	2082		
751	CATARACTS	248		
752	REFRACTION DISORDER	828		
753	CONJUNCTIVITIS AND OTHER SIMPLE EXTERNAL	802	36.86	0.53
754	EYE DISEASE EXCEPT CATARACT, REFRACTION D	1982		
766	DENTAL DISEASE	122	59.45	
767	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	4006		
768	ACUTE INFECTIOUS EAR, NOSE AND THROAT DI	10351		
769	ACUTE NONINFECTIOUS EAR, NOSE AND THROAT	3945		
771	HEARING LOSS	140		1.44
772	OTHER EAR, NOSE, THROAT AND MOUTH DISEAS	1268		0.80
781	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA	2680		
782	•	_		1.00
783	EMPHYSEMA, CHRONIC BRONCHITIS AND ASTHMA	1745		
	PREUMONIA	617		
784	RESPIRATORY DISEASE EXCEPT EMPHYSEMA, CHR	766	114.00	_
796	CONGESTIVE HEART FAILURE AND ISCHEMIC HE	989	90.66	1.29
797	HYPERTENSION	4060		
800	CARDIOVASCULAR DISEASE EXCEPT CHF, ISCHEM	2668		1.21
811	NONINFECTIOUS GASTROENTERITIS	1054		
812	ULCERS, GASTRITIS AND ESOPHAGITIS	856		1.16
813	FUNCTIONAL GASTROINTESTINAL DISEASE AND	312		0.80
814	HEPATOBILIARY DISEASE	405		0.94
816	HEMORRHOIDS AND OTHER ANAL-RECTAL DISEAS			0.92
817	OTHER GASTROINTESTINAL DISEASES	3104		1.09
827	MAJOR SIGNS, SYMPTOMS AND FINDINGS	178		1.25
841	BACK DISORDERS	1269	68.43	0.98
842	MUSCULOSKELETAL DISEASES EXCEPT BACK DIS			0.97
856	DISEASE OF NAILS	205		0.50
857	CHRONIC SKIN ULCER	69		
858	CELLULITIS, IMPETIGO AND LYMPHANGITIS	561		
859		900		
860		5431		
871		2035		
872	OBESITY	54		
873				
886		1619	59.03	0.80
887		95		
888		944	86.89	
901		139	56.59	
902	MALE REPRODUCTIVE DISEASES EXCEPT BENIGN	408	49.54	0.80

APG	APG TITLE	COUNT	MEAN	CV
916	FEMALE GYNECOLOGIC DISEASE	3871	56.48	0.86
932	AIDS RELATED COMPLEX & HIV INFECTION WIT	7	56.03	0.27
933	OTHER IMMUNOLOGIC AND HEMATOLOGIC DISEAS	939	63.21	1.09
946	ADULT MEDICAL EXAMINATION	127	52.77	1.11
947	WELL CHILD CARE	2455	40.94	0.45
948	COUNSELING	52	79.42	0.72
949	CONTRACEPTION AND PROCREATIVE MANAGEMENT	244	43.59	0.62
950	REPEAT PRESCRIPTION	9	56.72	0.67
951	NONSPECIFIC SIGNS & SYMPTOMS & OTHER CON	3774	91.55	1.14
959	ADMITTED OR DIED	5721	85.29	0.75

## APPENDIX L EXCERPTS FROM RELATIVE VALUE UNITS TABLE

APPENDIX L. EXCERPT FROM RELATIVE VALUE UNITS TABLE

SAMPLE OF COMPLETE SETS

CPCS	<b>100</b>	STATUS	DESC	<b>YORK</b>	PRACEXP	MALPRAC	TOTALRVU	SOURCE	GLOBAL
3001		×	SCREENING PAP SMEAR, CERVICAL	0.0	0.0	0.00	0.00		XXX
3001	<b>5</b> 8	<	PAP SMEAR.	97.0	0.33	0.0	0.81	7	XXX
0035		<	RAPHY	0.18	0.42	0.03	0.63	7	XXX
10035	2	<	_	0.0	0.30	0.05	0.32		XXX
0035	%	<		0.18	0.12	0.01	0.31	7	XXX
2221		<	SIMPLE CYSTOMETROGRAM	1.59	1.06	0.11	2.76	7	222
1725	2	<	CYST	0.0	0.39	0.0	0.43		222
1725	%	<	CYSTO	1.59	29.0	0.07	2.33	~	222
9221		<	K CYSI	.80	1.41	0.14	3.35		222
1726	2	<	-	0.00	0.56	9.0	0.62		222
1726	%	<	CYST	1.80	0.85	90.0	2.73	<b>+-</b>	222
1736		<	URINE FLOW MEASUREMENT	88.	0.47	0.02	1.40		222
1736	2	<	F102	0.0	0.20	0.05	0.22		777
1736	%	<	F104	88.0	0.27	0.03	1.18	_	222
1739		<	RECORI	0.97	9.0	0.0	1.92	<b>*</b> ~	222
1739	2	<	RECORD OF URINE	0.0	0.17	0.05	0.19		222
1739	<b>5</b> 8	<	RECORD OF URINE	0.97	0.69	0.07	1.3	-	222
1741		<	RO-UROFLOWETRY.	<b>.</b> .	3.0	0.07	2.37	_	222
1741	2	<	FLOWETRY, F	0.0	0.28	0.03	0.31		222
1741	%	<	FLOUMETRY, F	 %	0.36	0.0	2.06	_	222
2771		<	URETHRA PRESSURE PROFILE	1.7	1.12	0.12	2.94	<b>,-</b>	222
1772	2	<		9.0	0.56	9.0	0.62		222
2221	<b>5</b> 8	<	URETHRA PRESSURE PROFILE	2.7	0.56	90.0	2.32	_	222
1785		<	ANAL/URINARY MUSCLE STUDY	1.62	1.10	0.11	2.83	-	222
1785	22	<	Y MUSCLE	0.0	0.41	0.0	0.45		222
1785	%	<	Y MUSCLE	1.62	0.69	0.07	2.38	_	222
1792		<	E	1.15	1.01	0.10	2.26	-	222
1792	70	<	URINARY REFLEX STUDY	0.0	0.38	0.0	0.42		222
1792	%	⋖	REFLEX	1.15	0.63	90.0	1.84	-	222

HIGHEST RBRVS UNITS

1															
GLOBAL		8	8	8	060 060	8	8	060 060	0 6	8	060 060	<u>8</u>	8	<u>8</u>	86
SOURCE	J	~	•	-	-	7	~	7	7	-	_	~	-		~
TOTALRVU	5.30	71.76	8.93	82.53	82.29	80.63	3.18 81.00	78.87	78.61	7.8	76.52	76.37	76.07	ال ال	x.2
MALPRAC 0 77	1.7	8.83	8.48	6.17	6.21	7.51	6.51	7.43	3.6	6.53	5.81	7.31	5.98	5.50	3.52
PRACEXP	24.70	46.48	89.97	¥.3	35.67	42.57	36.58	42.27	36.76	34.82	29.77	41.27	33.39	59.49	35.62
LORK 20 21	3.00	42.46	39.77	41.61	40.41	30.55	36.09	29.17	38.21	36.49	76.07	27.79	36.70	40.74	36.09
DESC.	TAKE SELECT OF THE SECOND	THORACOABDOMINAL GRAFT	TRANSVERSE AORTIC ARCH GRAFT	REMOVAL OF BRAIN LESION	REMOVAL OF BRAIN LESION	CORONARY ARTERIES BYPASS	ASCENDING AORTA GRAFT	CORONARY ARTERIES BYPASS	OVE BL	ION OF SKULL	38		ER SKU	REVISE SPINAL CORD VESSELS	REMOVE BLADDER; REVISE TRACT
STATUS	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
100															
HCPCS 11845		33877	33870	61521	61520	33516	33860	33514	515%	61711	63252	33513	61700	63250	51595

# LOWEST RBRVS UNITS

GLOBAL	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	000	XX	XXX	XXX	XX	XX	XXX
SOURCE								~							
TOTALRVU	0.02	0.05	0.05	0.05	0.05	9.0	9.0	0.07	0.08	8.0	0.0	o. 0	6.0	0.10	0.10
MALPRAC	0.00	0.0	o. 0	0.00	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.01	0.01
PRACEXP	0.02	0.05	0.05	0.02	0.02	9.0	90.0	0.02	0.07	0.08	0.08	0.08	0.08	0.0	0.09
WORK	0.00	8	0.0	0.00	0.0	0.0	0.0	0.05	0.0	0. 0.	8.	0.0	0.0	0.0	9.0
0ESC	FORENSIC CYTOPATHOLOGY	MEASURE VENCUS PRESSURE	TISSUE EXAM BY PATHOLOGIST	DECALCIFY TISSUE	SPECIAL STAINS	SPECIAL STAINS	CHEMICAL HISTOCHEMISTRY	AUTOMATED DATA, NUCLEAR MED	ESOPHAGEAL INTUBATION	CYTOPATHOLOGY	CELL MARKER STUDY	STAGGERED SPONDAIC WORD TEST	VITAL CAPACITY TEST	MICROSCOPIC EXAM OF CELLS	EXPIRED GAS COLLECTION
STATUS	<b>V</b>	<	<	<	<	<	<	<	<	<	<	<	<	<	<
MOD I	70	5	7	5	2	5	5	92	2	<b>1</b>	2		5	5	2
HCPCS	88125	93770	88300	68311	88313	88312	86318	78890	91000	88160	88180	92572	94150	88106	94250

#### APPENDIX M

ASSIGNMENT OF RESOURCE-BASED RELATIVE VALUES TO SAMPLE ENCOUNTER FILE SERVICES, BY RBRVS STATUS

APPENDIX M

Assignment of Resource-Based Relative Values to Sample Encounter File Services, by RBRVS Status

SEI RBRVS STATUS	RVICES ASSIC	GNED RBRVS PERCENT	AMOUNTS ALLOWE SVCS ASSIGNED TOTAL	RBRVS	NUMBER OF ENCOUNTERS
ACTIVE CODE	270,097	56.3	\$19,297,585.74	74.1	195,799
BUNDLED CODE	72,658	15.1	2,432,956.58	9.3	24,479
CARRIER PRICED	16,897	3.5	1,802,638.81	6.9	11,925
DELETED CODES	4,654	1.0	378,120.26	1.4	1,859
EXCLUDED, PAY BY RC METH	3,203	0.7	43,812.65	0.2	3,191
NONCOVERED SERVICES	947	0.2	25,885.53	0.1	694
INJECTIONS	7,161	1.5	100,167.45	0.4	5,002
DELETED VISIT CODE	2,337	0.5	61,586.35	0.2	2,310
STATUTORY EXCLUSION	97,422	20.3	1,760,917.76	6.8	72,400
ELECTROCARDIOGRAMS	4,684	1.0	137,302.15	0.5	4,000
TOTAL	480,060	100.0	\$26,040,973.28	100.00	321,659

## APPENDIX N MEDICARE FEE SCHEDULE PROCEDURES FLAGGED FOR BUNDLING (STATUS CODE "B")

APPENDIX N

Medicare Fee Schedule Procedures Flagged for Bundling (Status Code "B")

HCPCS	STATUS	DESCRIPTION	TOTAL RVU	GLOBAL
15850	В	REMOVAL OF SUTURES	0.00	XXX
90889	В	PREPARATION OF REPORT	0.00	XXX
92531	В	SPONTANEOUS NYSTAGMUS STUDY	0.00	XXX
92532	В	POSITIONAL NYSTAGMUS STUDY	0.00	XXX
92533	В	CALORIC VESTIBULAR TEST	0.00	XXX
92534	В	OPTOKINETIC NYSTAGMUS	0.00	XXX
94700	В	BLOOD GAS ANALYSIS	0.00	XXX
94710	В	ARTERIAL BLOOD GAS ANALYSES		XXX
95880	В	CEREBRAL APHASIA TESTING	0.00	XXX
95881	В	CEREBRAL DEVELOPMENTAL TEST		XXX
95882	В	COGNITIVE FUNCTION TESTING	0.00	XXX
96545	В	PROVIDE CHEMOTHERAPY AGENT	0.00	XXX
99000	В	SPECIMEN HANDLING	0.00	XXX
99001	В	SPECIMEN HANDLING	0.00	XXX
99002	В	DEVICE HANDLING	0.00	XXX
99024	В	POST-OP FOLLOW-UP VISIT	0.00	XXX
99025	В	INITIAL SURGICAL EVALUATION		XXX
99050	В	POST-OP FOLLOW-UP VISIT	0.00	XXX
99052	В	MEDICAL SERVICES AT NIGHT	<b>0.00</b>	XXX
99054	В	MEDICAL SERVICES, UNUSUAL HR		XXX
99056	В	NON-OFFICE MEDICAL SERVICES	• •	XXX
99058	В	OFFICE EMERGENCY CARE	0.00	XXX
99070	В	SPECIAL SUPPLIES	0.00	XXX
99071	В	PATIENT EDUCATION MATERIALS		XXX
99078	В	GROUP HEALTH EDUCATION	0.00	XXX
99080	В	SPECIAL REPORTS OR FORMS	0.00	XXX
99090	В	COMPUTER DATA ANALYSIS	0.00	XXX
99150	В	PROLONGED MD ATTENDANCE	0.00	XXX
99151	В	PROLONGED MD ATTENDANCE	0.00	XXX
99288	В	DIRECT ADVANCED LIFE SUPPOR		XXX
99361	В	PHYSICIAN/TEAM CONFERENCE	0.00	XXX
99362	В	PHYSICIAN/TEAM CONFERENCE	0.00	XXX
99371	В	PHYSICIAN PHONE CONSULTATION		XXX
99372	В	PHYSICIAN PHONE CONSULTATION		XXX
99373	В	PHYSICIAN PHONE CONSULTATION	0.00	XXX